

Ages
6-7

Grade
1

MATH WORKBOOK

Tailored to the needs
of Canadian children

★ Supports the math
curriculum taught in
Canadian schools

★ Builds math
confidence

★ Increases
understanding
and enjoyment of
school math

★ Prepares children
for math testing



Math made Easy



With **GOLD REWARD STARS!**

Progress Chart

This chart lists the topics in the book. Once you have completed each page, stick a star in the correct box below.

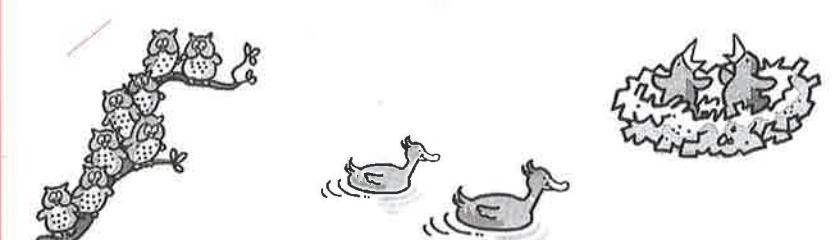
| Page | Topic | Star | Page | Topic | Star | Page | Topic | Star |
|------|----------------------|------|------|-------------------------|------|------|----------------------|------|
| 2 | Numbers | ★ | 13 | Finding 10s | ★ | 24 | Subtracting | ★ |
| 3 | Numbers and pictures | ★ | 14 | Tens and ones | ★ | 25 | Counting back | ★ |
| 4 | Counting | ★ | 15 | One more or one less? | ★ | 26 | Sets | ★ |
| 5 | Counting out loud | ★ | 16 | Ordering | ★ | 27 | Money | ★ |
| 6 | Missing numbers | ★ | 17 | More than or less than? | ★ | 28 | Ordering stories | ★ |
| 7 | Making 10 | ★ | 18 | Greater or less? | ★ | 29 | Time | ★ |
| 8 | Count by 10s | ★ | 19 | Comparing | ★ | 30 | Graphs | ★ |
| 9 | Count by 2s | ★ | 20 | Halves | ★ | 31 | 2-dimensional shapes | ★ |
| 10 | Patterns | ★ | 21 | Quarters | ★ | 32 | 3-dimensional shapes | ★ |
| 11 | Adding machines | ★ | 22 | Adding up | ★ | 33 | Writing numbers | ★ |
| 12 | Reading numbers | ★ | 23 | Adding animals | ★ | 34 | Counting | ★ |



| Page | Topic | Star | Page | Topic | Star | Page | Topic | Star |
|------|--------------------------|------|------|-----------------------|------|------|--------------------------|------|
| 35 | Counting on by 2s | | 49 | Expanded form | | 63 | Numbers | |
| 36 | Most and least | | 50 | Adding dice | | 64 | Numbers | |
| 37 | Counting by 10s | | 51 | Adding | | 65 | Addition | |
| 38 | Counting forward or back | | 52 | Crossing out | | 66 | 1 less or 1 more | |
| 39 | Reading numbers | | 53 | Subtraction | | 67 | Tallies | |
| 40 | Tens and ones | | 54 | Sets of | | 68 | Using a table | |
| 41 | Comparisons | | 55 | Sharing | | 69 | Patterns of 2, 5, and 10 | |
| 42 | Comparing money | | 56 | Addition properties | | 70 | More or less | |
| 43 | Spot the doubles | | 57 | Most and least likely | | 71 | Ordering | |
| 44 | 10 more or 10 less | | 58 | Days and seasons | | 72 | Fractions of shapes | |
| 45 | Ordinals | | 59 | Using clocks | | 73 | Addition | |
| 46 | Ordering | | 60 | Favourite fruits | | 74 | Adding coins | |
| 47 | Halves and fourths | | 61 | Draw the other half | | 75 | Addition grid | |
| 48 | Place value | | 62 | Where's the bear? | | 76 | Doubles | |

| Page | Topic | Star | Page | Topic | Star | Page | Topic | Star |
|------|--------------------|------|------|-----------------------|------|------|--------------------------|------|
| 77 | Fact families | ★ | 91 | Venn diagrams | ★ | 105 | Fact families | ★ |
| 78 | Addition | ★ | 92 | Similar shapes | ★ | 106 | Adding money | ★ |
| 79 | Subtraction | ★ | 93 | 2-dimensional shapes | ★ | 107 | Using doubles | ★ |
| 80 | Subtraction | ★ | 94 | 3-dimensional shapes | ★ | 108 | Adding up | ★ |
| 81 | Subtraction | ★ | 95 | Read, write, and draw | ★ | 109 | Count by 2s | ★ |
| 82 | Real-life problems | ★ | 96 | Counting | ★ | 110 | Addition | ★ |
| 83 | Real-life problems | ★ | 97 | Bar graphs | ★ | 111 | Addition | ★ |
| 84 | Subtraction tables | ★ | 98 | Subtraction | ★ | 112 | Addition and subtraction | ★ |
| 85 | Counting down | ★ | 99 | 2s, 5s, and 10s | ★ | 113 | Real-life problems | ★ |
| 86 | Clocks | ★ | 100 | Comparing | ★ | 114 | Real-life problems | ★ |
| 87 | Digital clocks | ★ | 101 | Ordering | ★ | 115 | Addition | ★ |
| 88 | Match the times | ★ | 102 | Subtraction | ★ | 116 | Clocks and watches | ★ |
| 89 | Do you know? | ★ | 103 | Matching fractions | ★ | 117 | Puzzles | ★ |
| 90 | Matching shapes | ★ | 104 | Money | ★ | 118 | Tables | ★ |

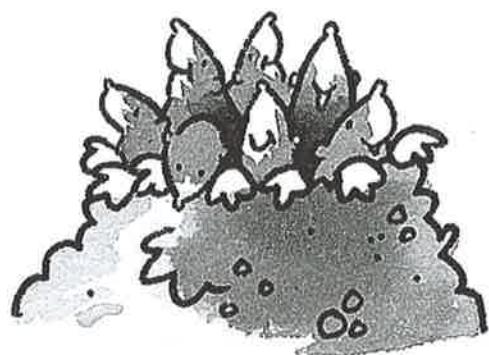
| Page | Topic | Star | Page | Topic | Star | Page | Topic | Star |
|------|------------------------------|------|------|------------------------------------|------|------|--------------------------|------|
| 119 | Venn diagrams | ★ | 133 | Estimating length | ★ | 145 | Properties of polygons | ★ |
| 120 | Appropriate units of measure | ★ | 134 | Subtracting | ★ | 146 | Venn diagrams | ★ |
| 121 | Symmetry | ★ | 135 | Simple tally charts and bar graphs | ★ | 147 | Most likely/least likely | ★ |
| 122 | 2-dimensional shapes | ★ | 136 | Addition properties | ★ | 148 | 3-dimensional shapes | ★ |
| 123 | Equal value | ★ | 137 | Equations | ★ | 149 | Counting | ★ |
| 124 | Shapes and places | ★ | 138 | Picture graphs | ★ | 150 | Finding patterns | ★ |
| 125 | Numbers | ★ | 139 | 3-dimensional shapes | ★ | 151 | Reading tally charts | ★ |
| 126 | Counting by 1s and 10s | ★ | 140 | Missing addends | ★ | 152 | Same shape and size | ★ |
| 127 | Counting by 2s | ★ | 141 | Reading tables | ★ | 153 | Parts of a set | ★ |
| 128 | Odd and even | ★ | 142 | Adding | ★ | 154 | Symmetry | ★ |
| 129 | More and less | ★ | 143 | Reading a calendar | ★ | 155 | Measurement problems | ★ |
| 130 | Fact families | ★ | 144 | Subtracting | ★ | 156 | 3-dimensional shapes | ★ |
| 131 | Fractions | ★ | | | | | | |
| 132 | Adding | ★ | | | | | | |



Math made Easy

Grade 1
Ages 6-7

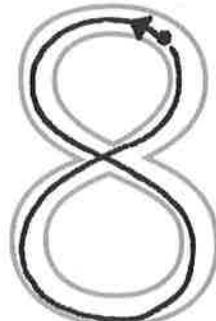
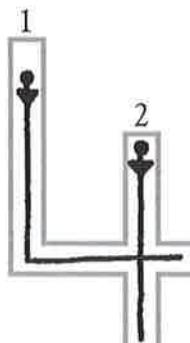
Canadian Editor
Marilyn Wilson





Numbers

Trace the numbers.



Write the numbers.

0 0 0 0

1 1 1 1

2 2 2 2

3 3 3 3

4 4 4 4

5 5 5 5

6 6 6 6

7 7 7 7

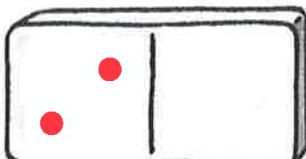
8 8 8 8

9 9 9 9

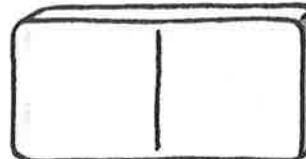
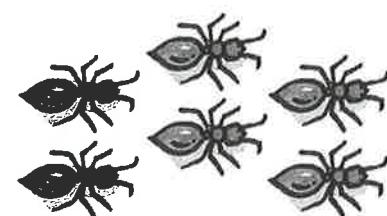
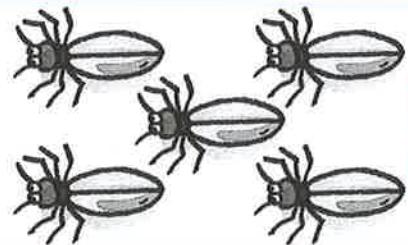
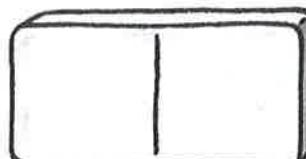


Numbers and pictures

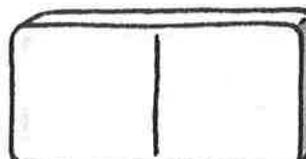
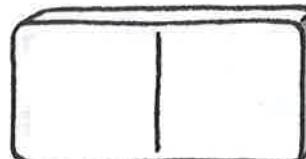
Count the animals, draw the dots, and write the number.



two



Draw your own examples.





Counting

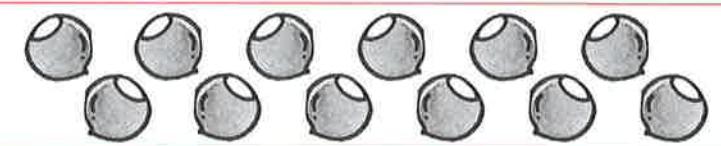
Connect each set to the correct number.



8



9



6



15

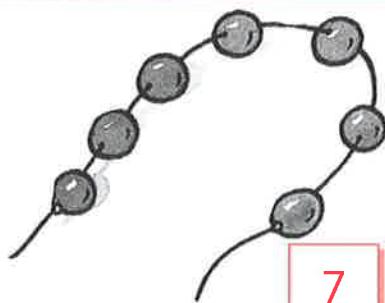


10

Draw your own set to match the number.



12



7

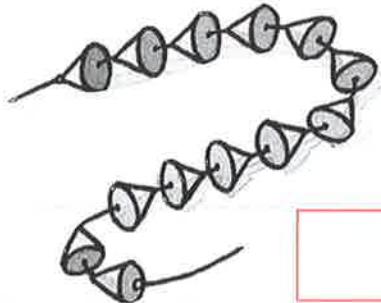
Count the beads.



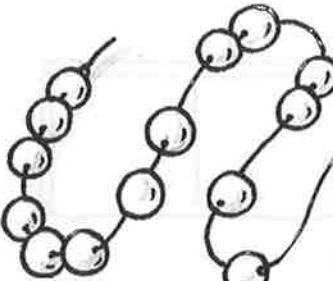
4



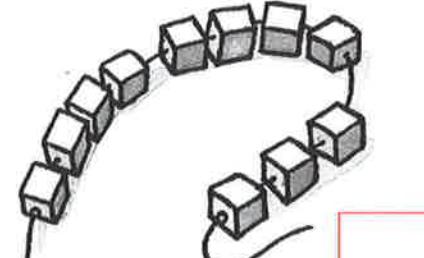
6



8



7



9

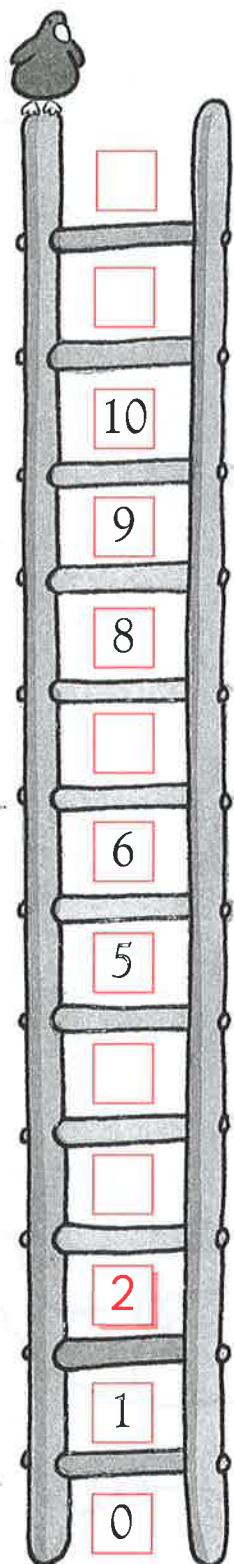
7
1
8
3
9
1
5
2
4
3
8
0
5
3
7

7
6
4
1
7
4
9
2
1

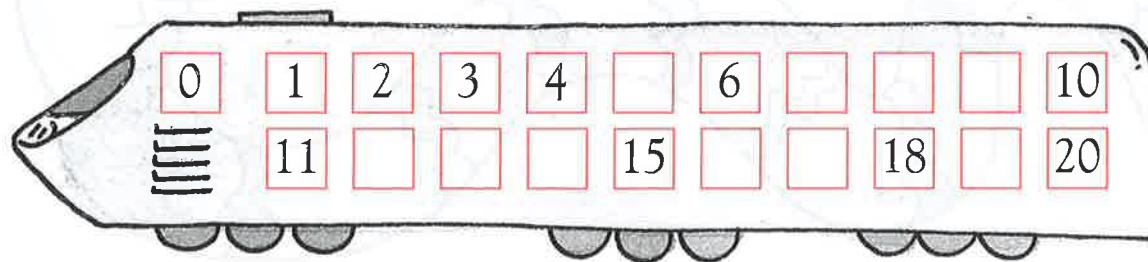
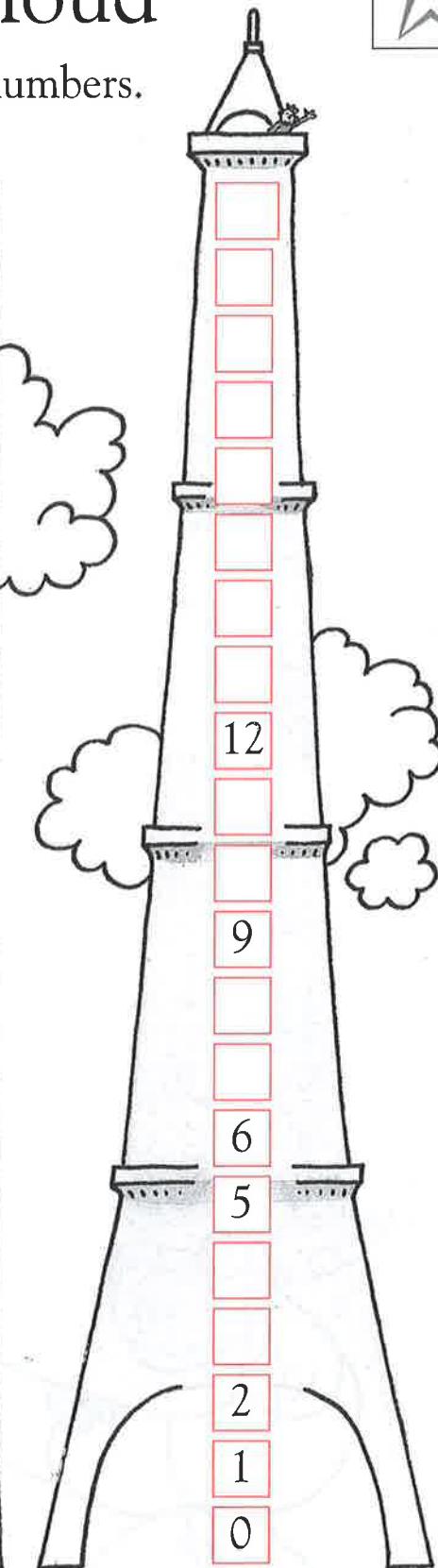
Counting out loud



Say and write the missing numbers.



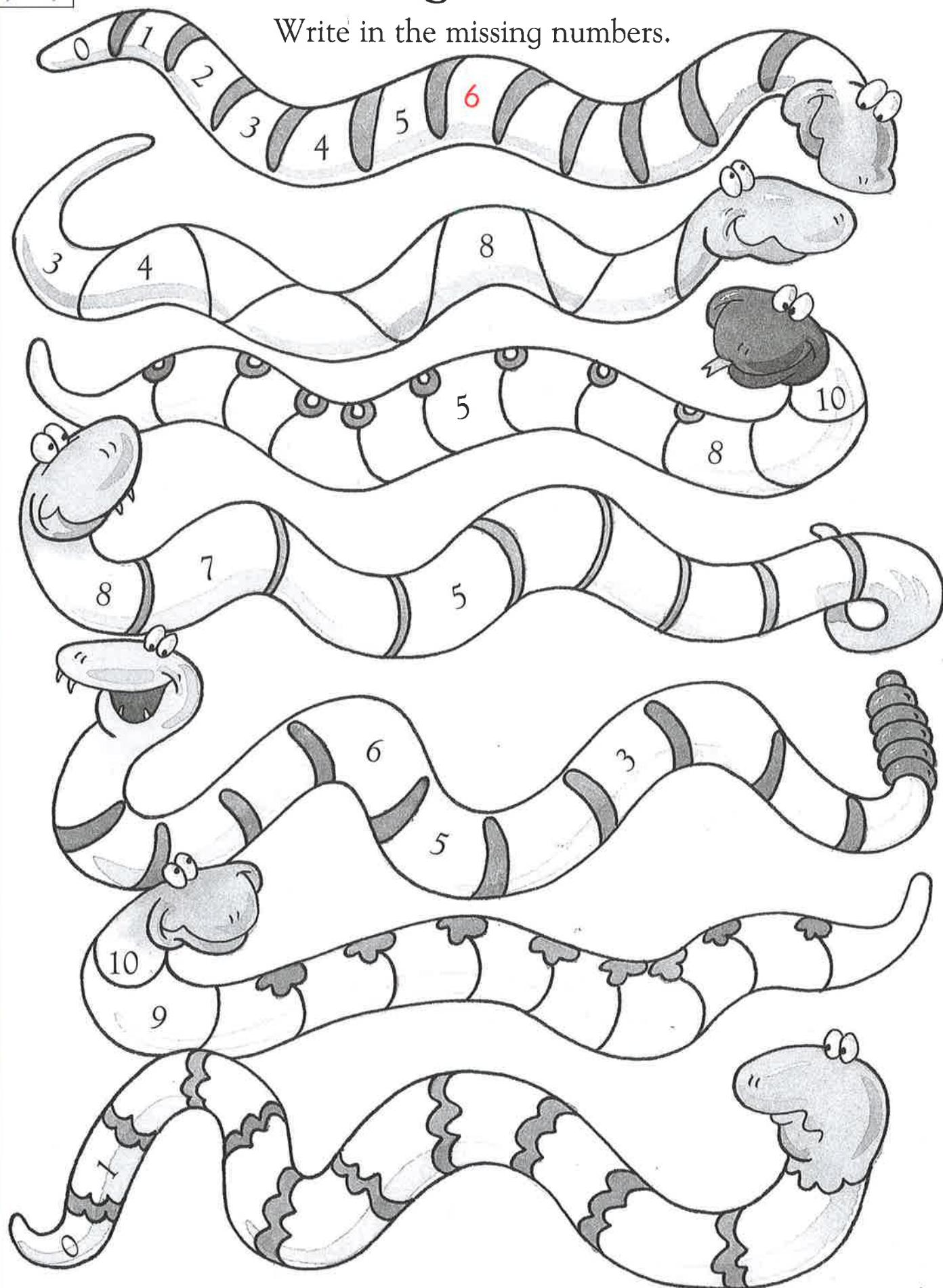
| | |
|----|----|
| | |
| | |
| | 13 |
| 12 | |
| 11 | 11 |
| 10 | |
| | |
| 8 | |
| | |
| | 6 |
| 5 | |
| 4 | |
| 3 | 3 |
| | |
| 1 | 1 |
| 0 | |





Missing numbers

Write in the missing numbers.



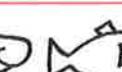
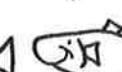
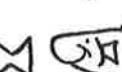
Making 10

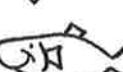


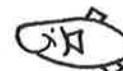
Colour some fish red, and write the correct numbers in the boxes.

| | | | |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value="4"/> red | <input type="text" value="6"/> white | |
|  | <input type="text" value="4"/> | <input type="text" value="6"/> | $= 10$ |

| | | | |
|---|--|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value=""/> | <input type="text" value=""/> | red white |
|  | <input type="text" value=""/> | <input type="text" value=""/> | $= 10$ |

| | | | |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value=""/> | <input type="text" value=""/> | red white |
|  | <input type="text" value=""/> | <input type="text" value=""/> | $= 10$ |

| | | | |
|---|--|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value=""/> | <input type="text" value=""/> | red white |
|  | <input type="text" value=""/> | <input type="text" value=""/> | $= 10$ |

| | | | |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value=""/> | <input type="text" value=""/> | red white |
|  | <input type="text" value=""/> | <input type="text" value=""/> | $= 10$ |

| | | | |
|---|--|---|---|
|  |  |  |  |
|  |  |  |  |
|  | <input type="text" value=""/> | <input type="text" value=""/> | red white |
|  | <input type="text" value=""/> | <input type="text" value=""/> | $= 10$ |

Write the missing numbers in the boxes to make 10.

$10 + \boxed{0} = 10$

$6 + \boxed{} = 10$

$2 + \boxed{} = 10$

$9 + \boxed{} = 10$

$5 + \boxed{} = 10$

$1 + \boxed{} = 10$

$8 + \boxed{} = 10$

$4 + \boxed{} = 10$

$0 + \boxed{} = 10$

$7 + \boxed{} = 10$

$3 + \boxed{} = 10$



Count by 10s

Match the numbers to the words.

fifty

ten

thirty

twenty

forty

10

20

30

40

50

60

70

80

90

100

seventy

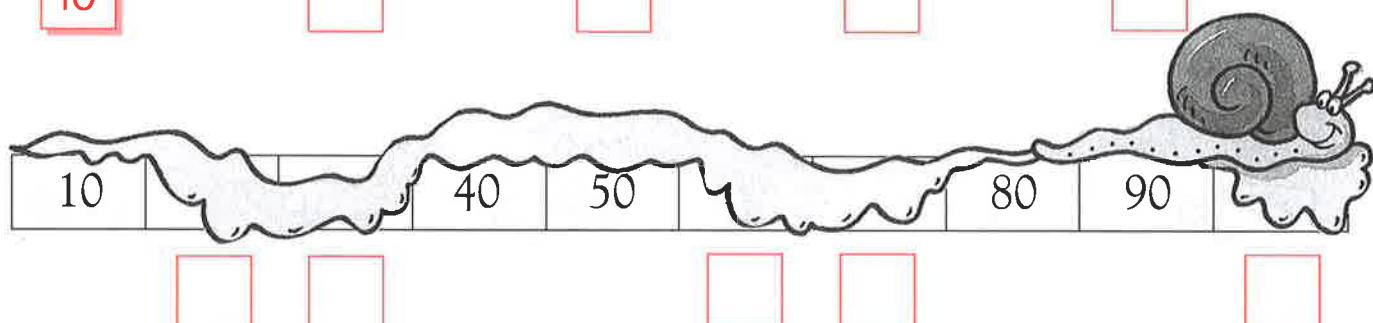
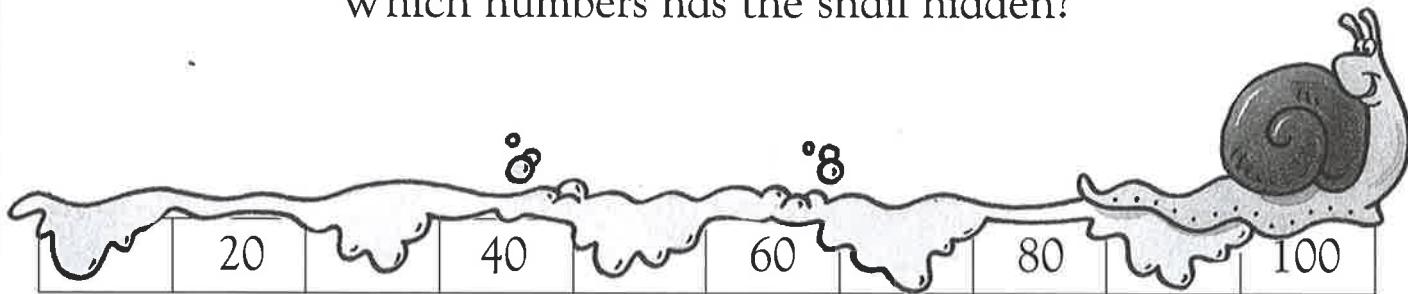
ninety

sixty

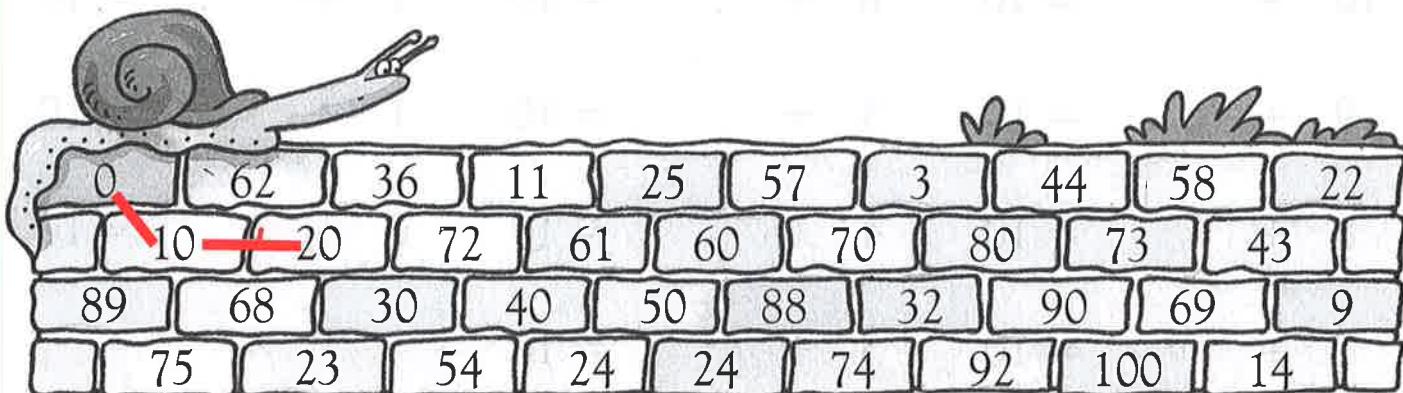
eighty

one hundred

Which numbers has the snail hidden?



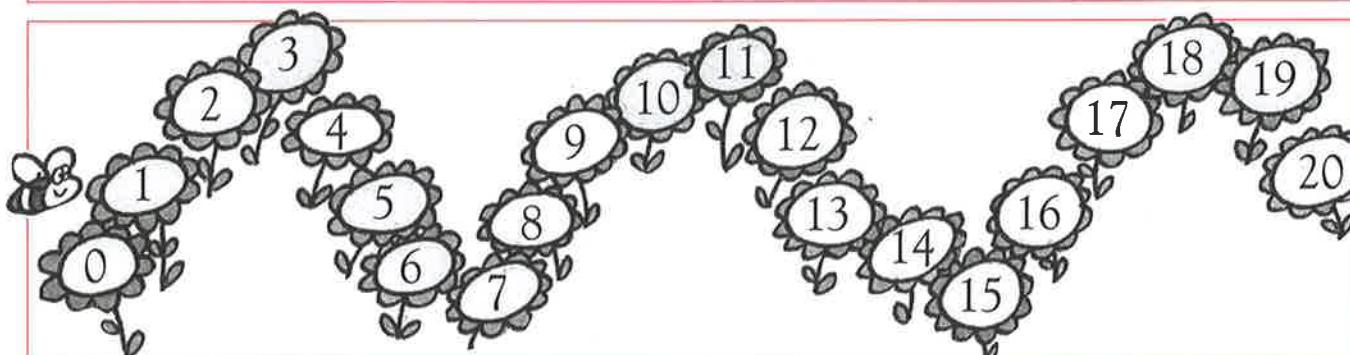
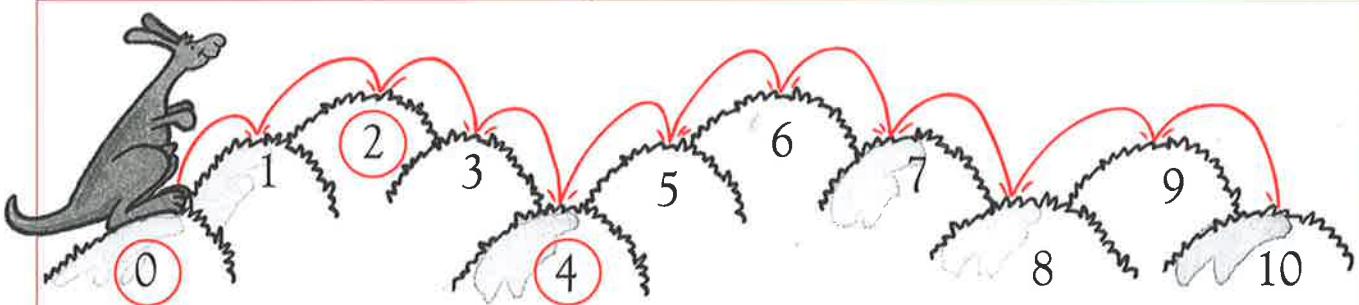
Help the snail follow the bricks in the right order.





Count by 2s

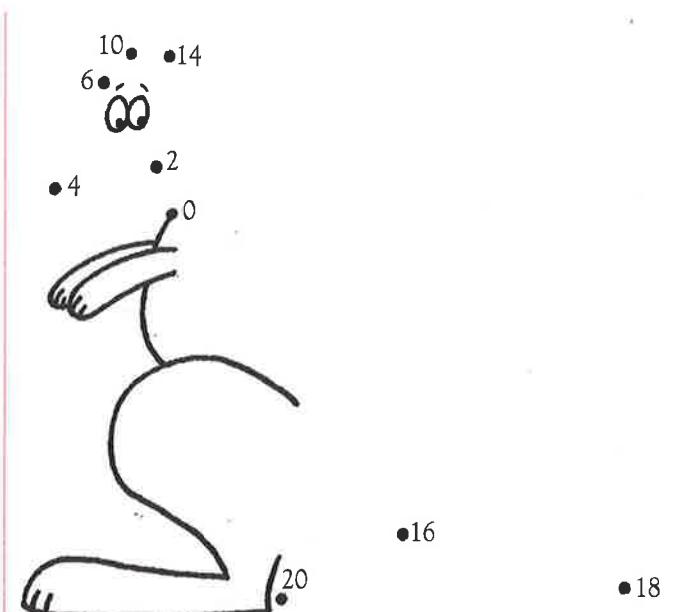
Fill in the “hops” and circle the even numbers.



Colour the even numbers.

•⁸ •¹² Connect the dots in order.

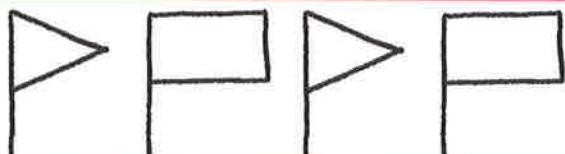
| | | | | |
|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 |





Patterns

Continue the pattern.



Make your own patterns.

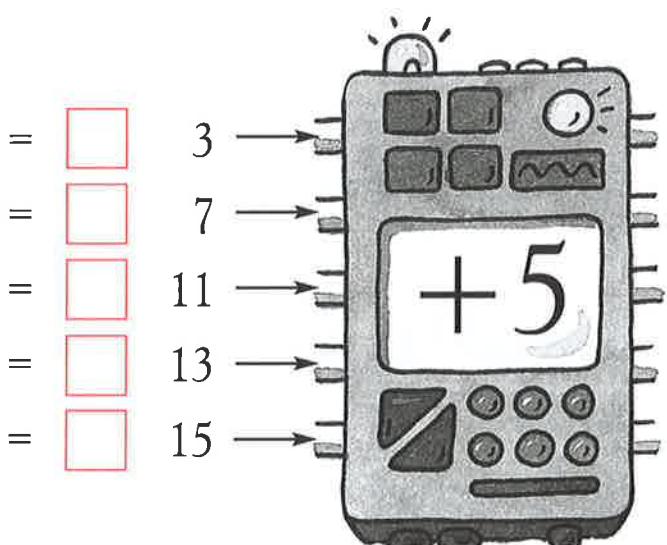
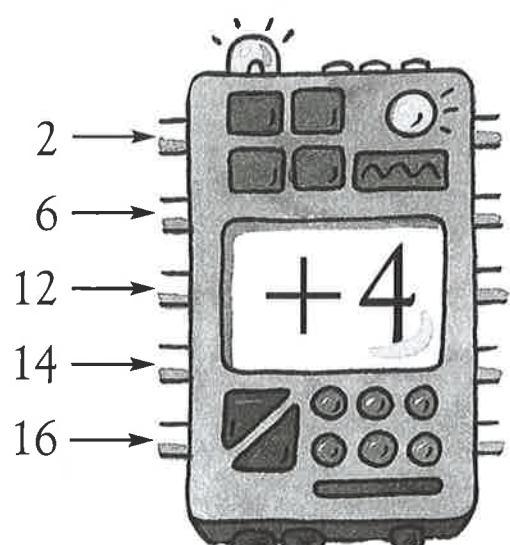
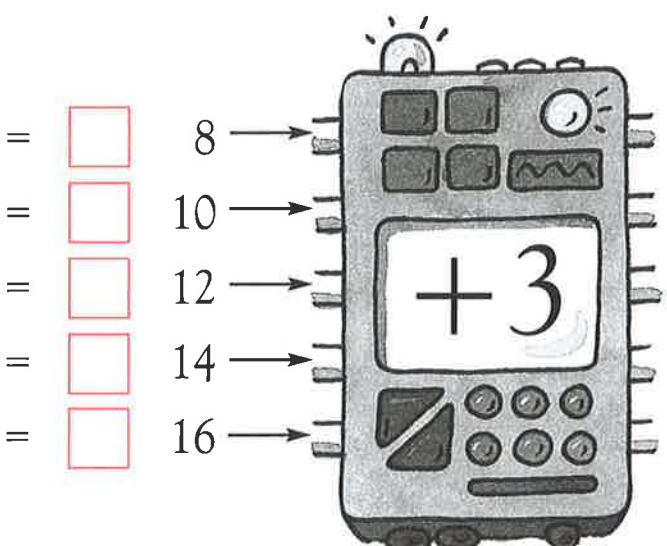
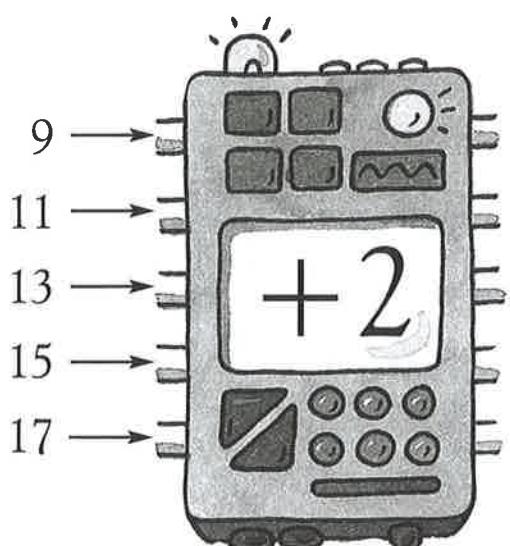
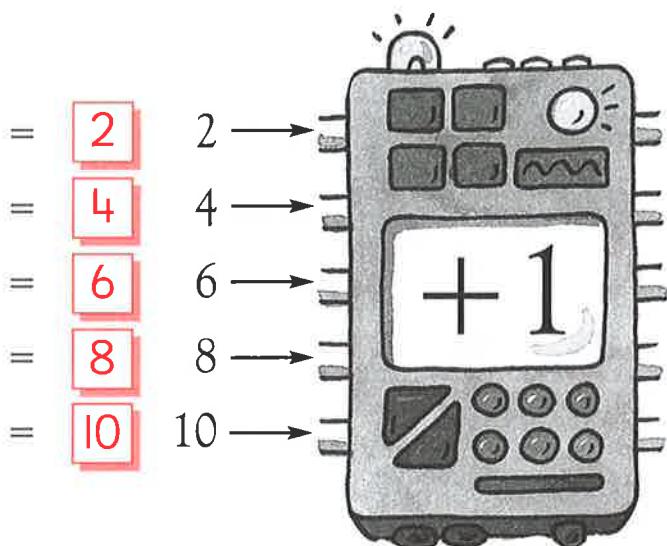
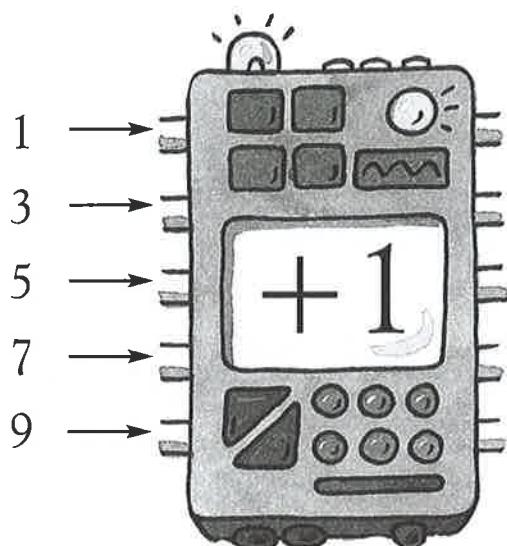
Continue the number patterns.

| | | | | | | | | | | | |
|----|---|---|----|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 2 | 4 | 6 | 2 | 4 | 6 | 2 | 4 | 6 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 10 | 9 | 9 | 10 | 9 | <input type="text"/> |
| 1 | 3 | 5 | 7 | 1 | <input type="text"/> |
| 5 | 5 | 5 | 6 | 5 | <input type="text"/> |



Adding machines

Add the numbers, and write the answers.

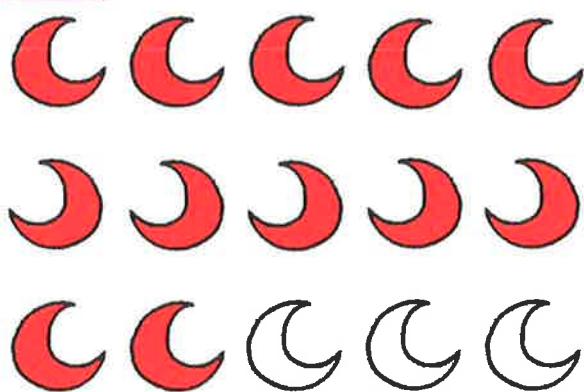




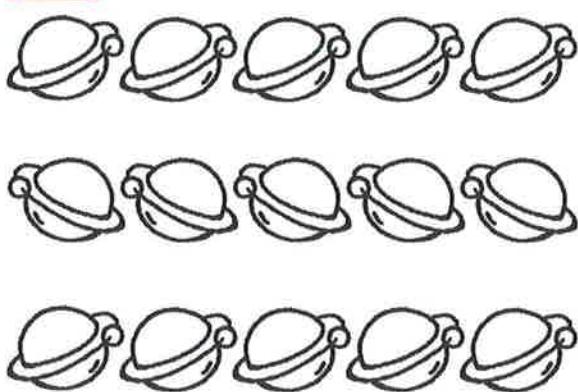
Reading numbers

Colour enough things to match the number in each box.

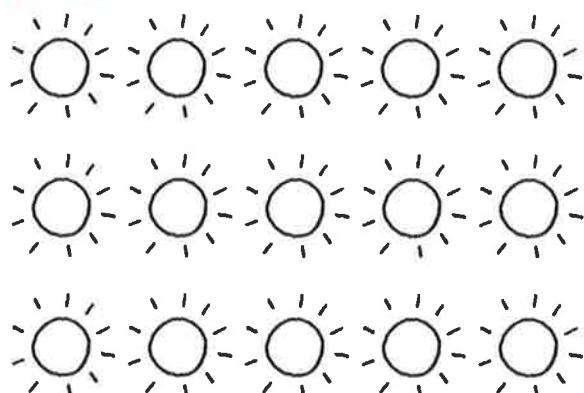
12



10



9

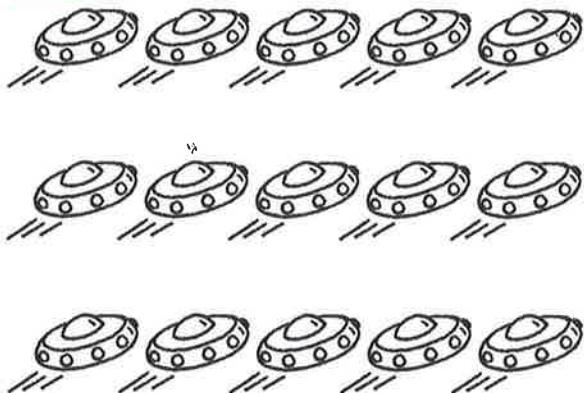


7



Draw your own example.

11

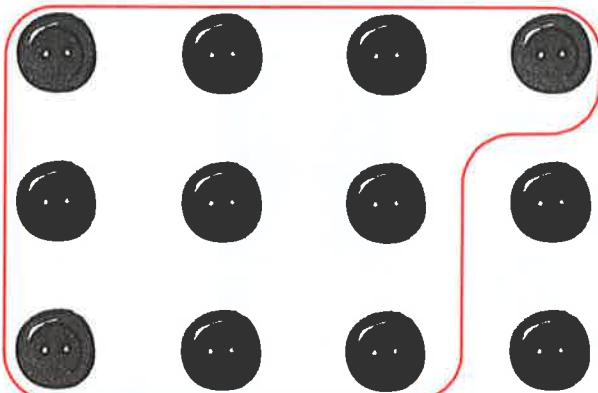




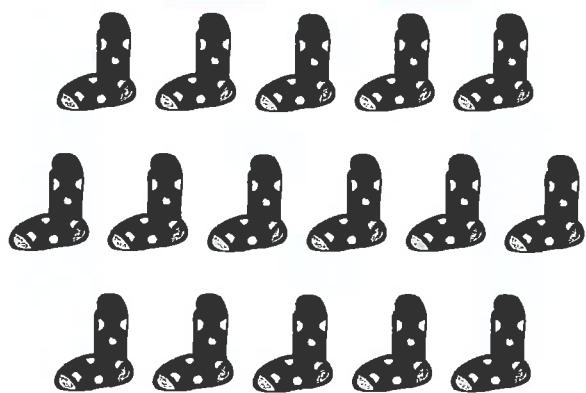
Finding 10s

Ring 10 items, and write the numbers.

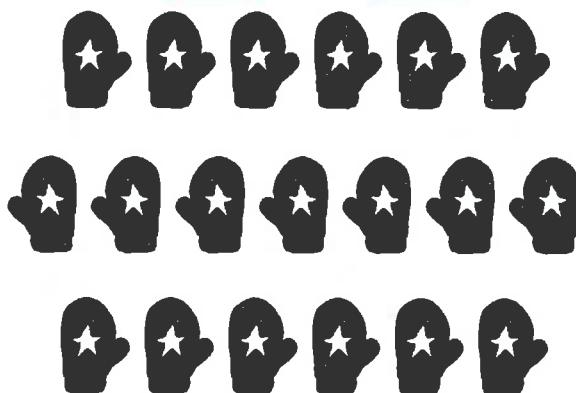
$$12 = \boxed{10} + \boxed{2}$$



$$16 = \boxed{} + \boxed{}$$



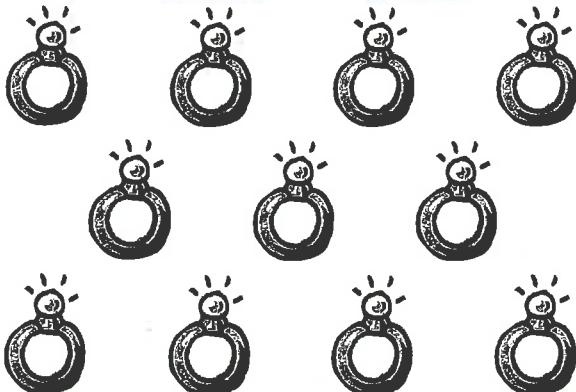
$$19 = \boxed{} + \boxed{}$$



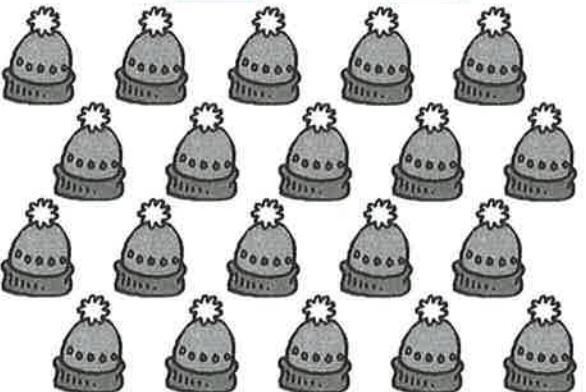
$$17 = \boxed{} + \boxed{}$$



$$11 = \boxed{} + \boxed{}$$



$$20 = \boxed{} + \boxed{}$$





Tens and ones

How many tens and ones do you see?

| tens | ones |
|------|------|
| | |
| 1 | 4 |

| tens | ones |
|------|------|
| | |
| | |

| tens | ones |
|------|------|
| | |
| | |

14

Draw the tens and ones.

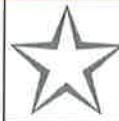
| tens | ones |
|------|------|
| | |
| 1 | 9 |

| tens | ones |
|------|------|
| | |
| 1 | 5 |

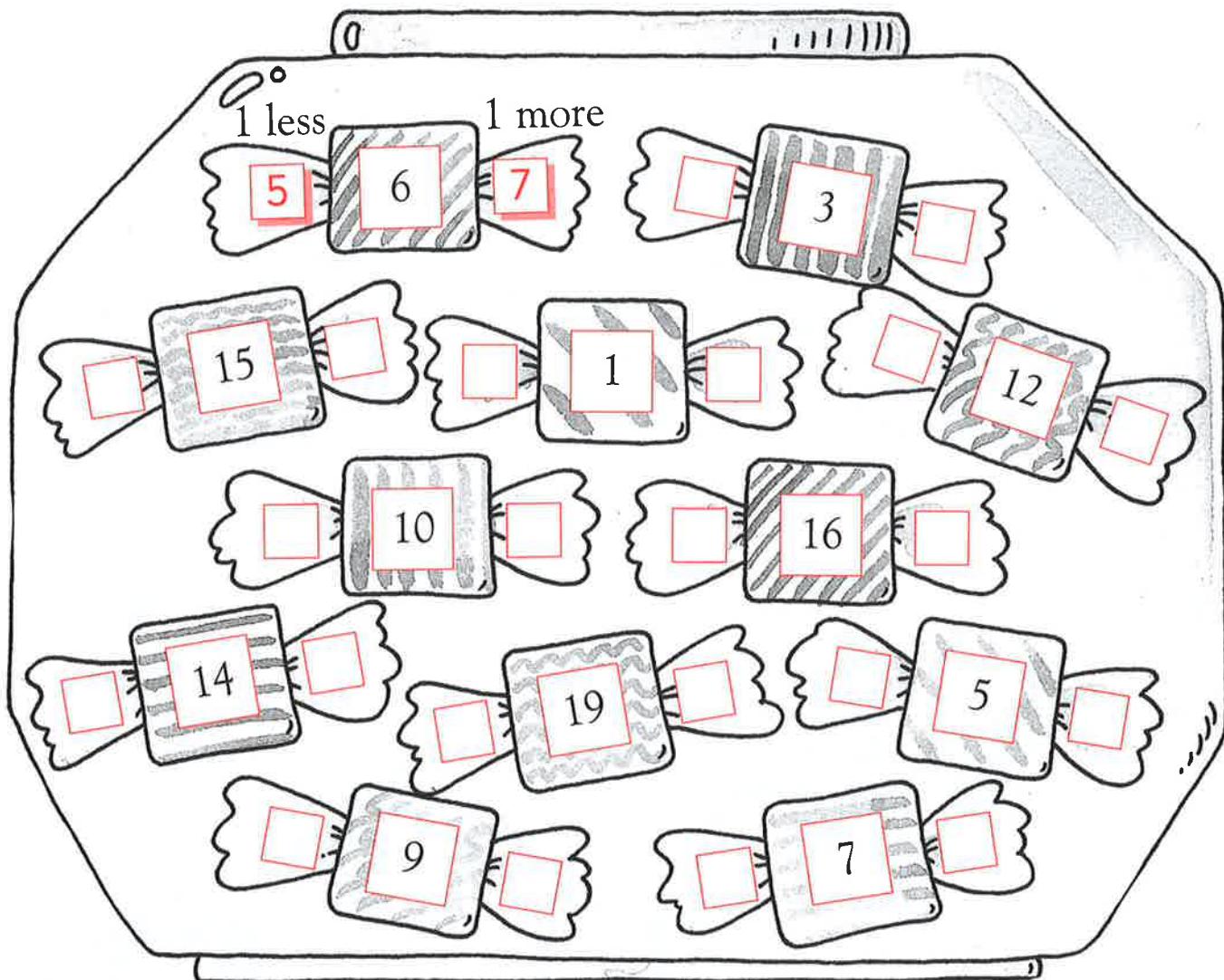
| tens | ones |
|------|------|
| | |
| | 3 |

19

One more or one less?



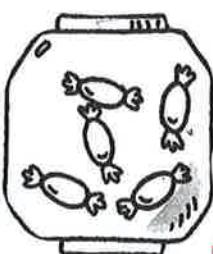
Write one less and one more than the numbers shown in the boxes.



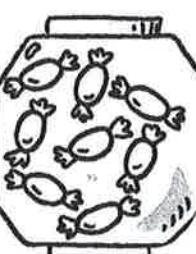
Draw one more or one less, and write the new number.



1 more →



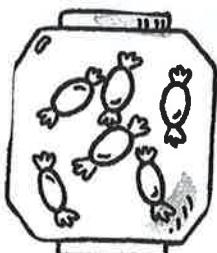
5



1 less →



□



1 more →



□



1 less →



□



Ordering

Colour the prize ribbons.

4th = purple

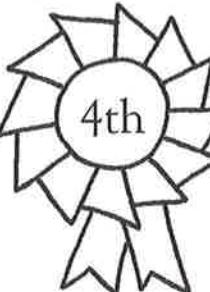
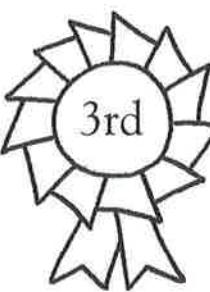
3rd = yellow

1st = green

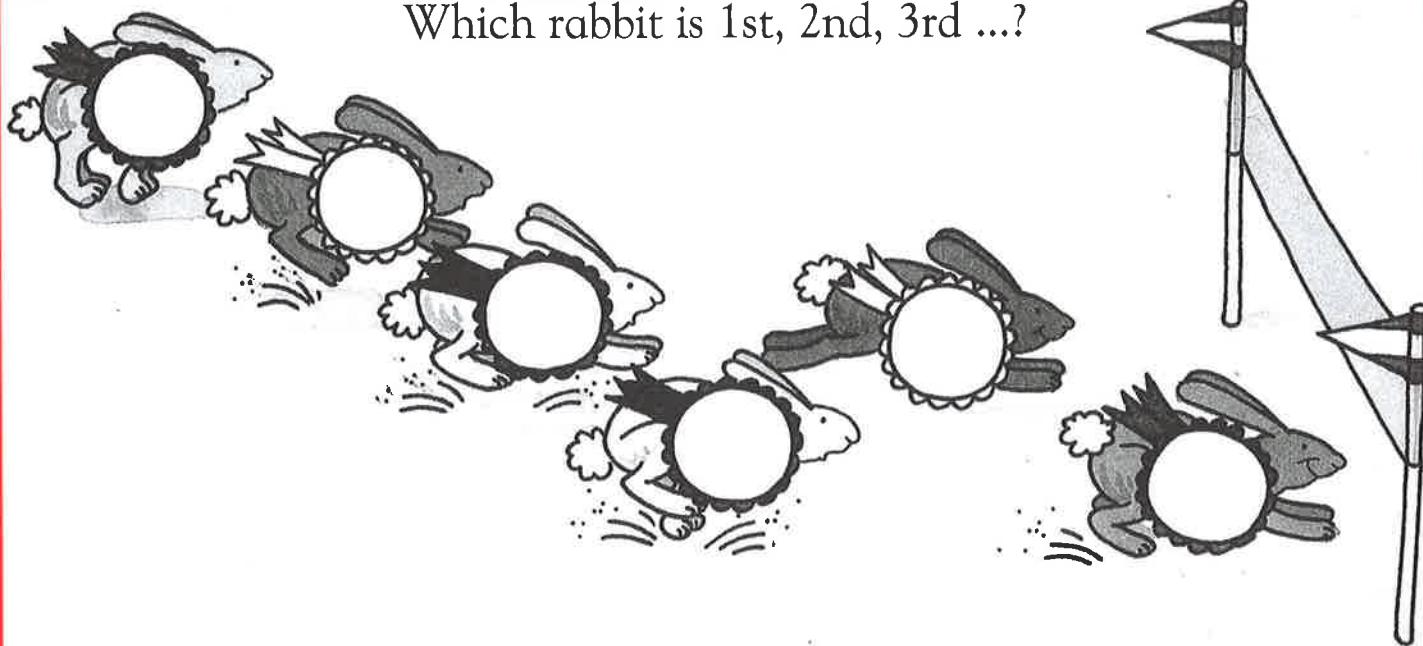
6th = red

2nd = blue

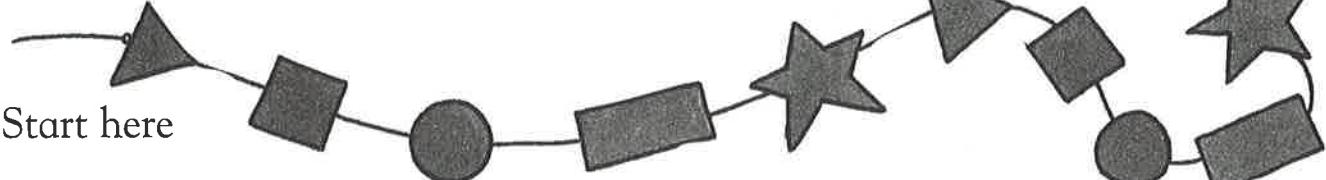
5th = orange



Which rabbit is 1st, 2nd, 3rd ...?



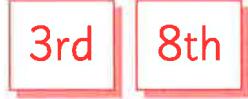
Which shape comes 1st, 2nd, 3rd ...?



Start here



3rd

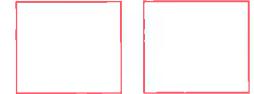


8th

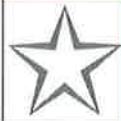


4th

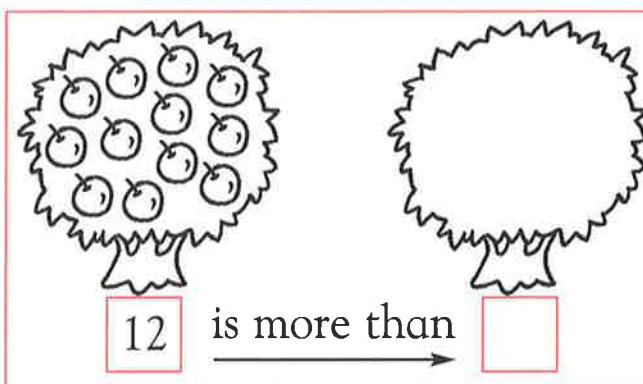
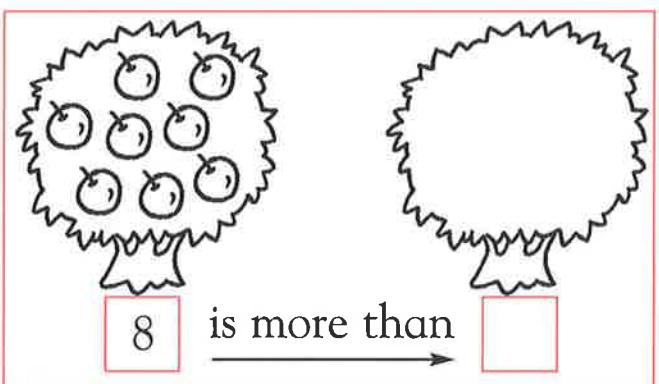
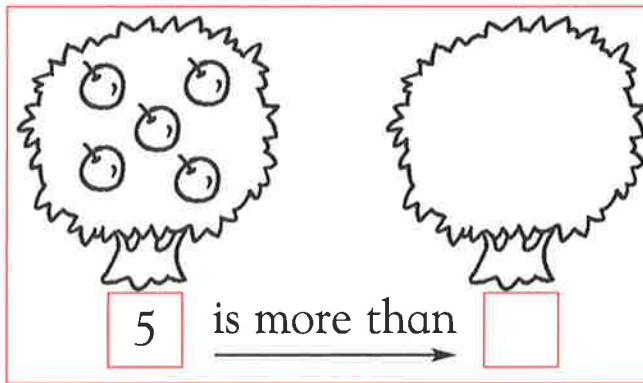
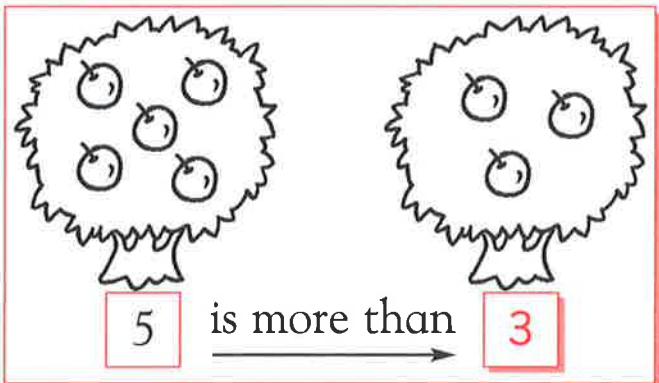
9th



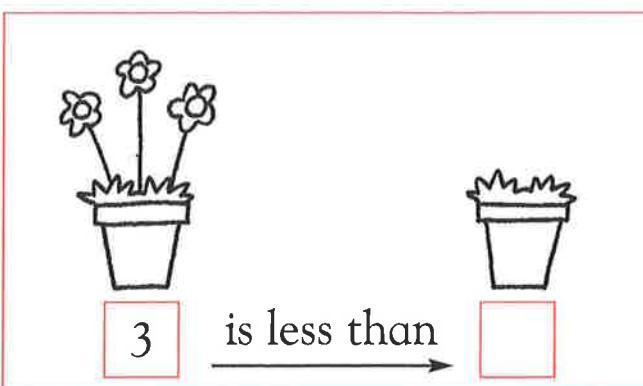
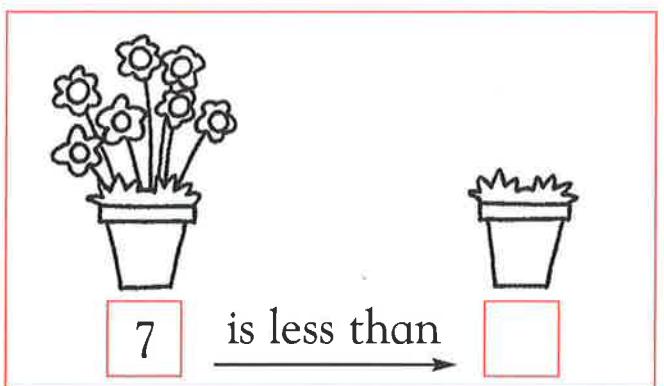
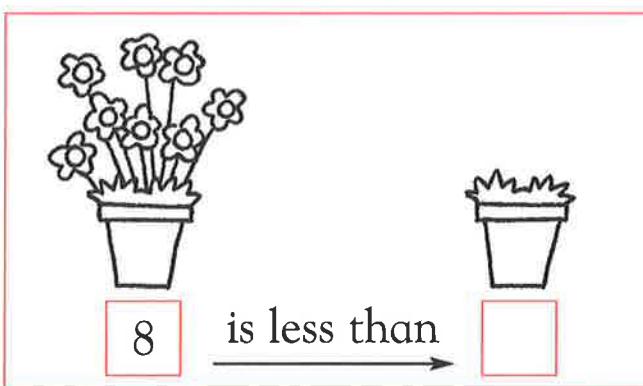
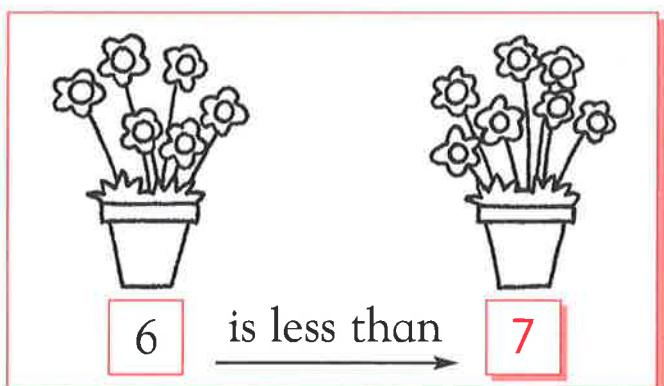
More than or less than?



Fill in the apples and numbers that make each sentence true.



Fill in the flowers and numbers that make each sentence true.

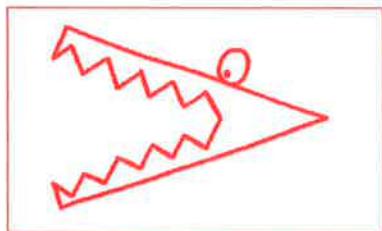




Greater or less?

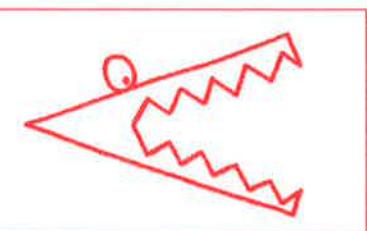
Draw the hungry crocodiles.
They always eat the greater numbers!

6



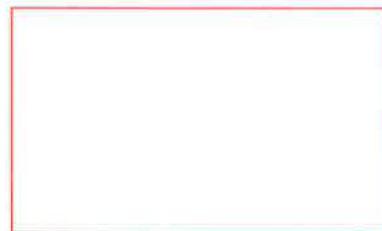
4

2



12

5



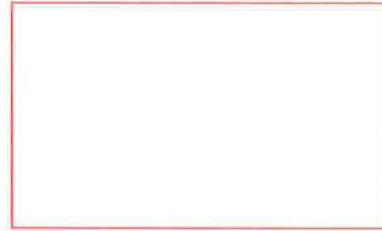
10

3



13

8



13

6



16

15



9

15

20

10



2

11

12

20



10

1

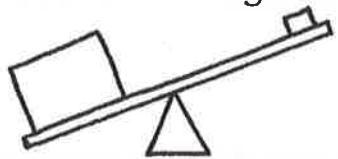


0



Comparing

heavier lighter



bigger



smaller

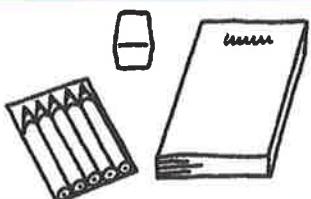


longer



shorter

Draw the pictures to make each comparison true.



heavier
than



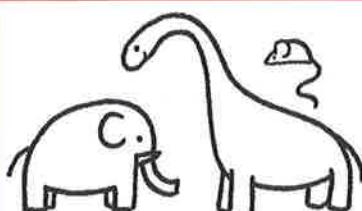
heavier
than



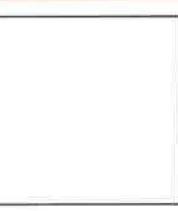
lighter
than



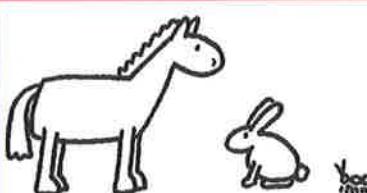
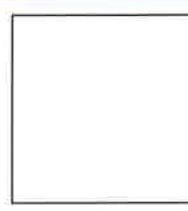
lighter
than



bigger
than



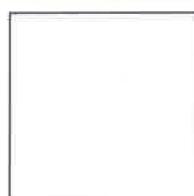
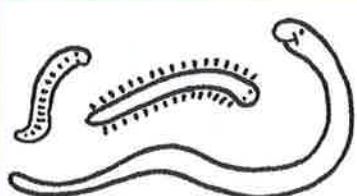
bigger
than



smaller
than



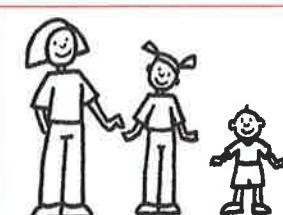
smaller
than



longer
than



longer
than



shorter
than



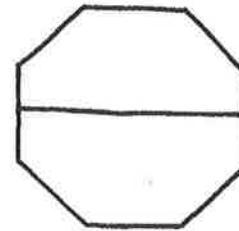
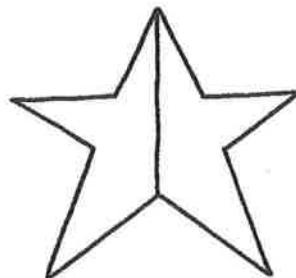
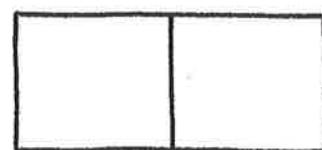
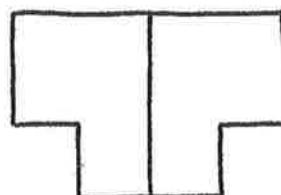
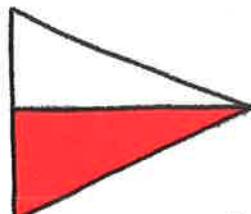
shorter
than



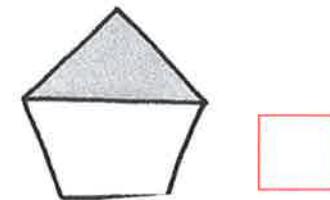
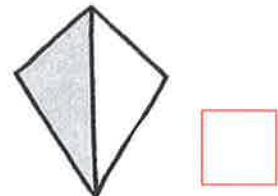
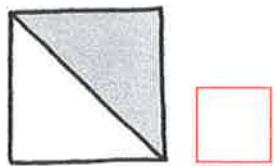
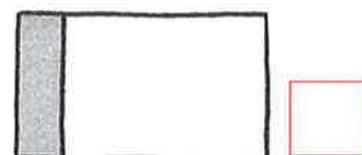
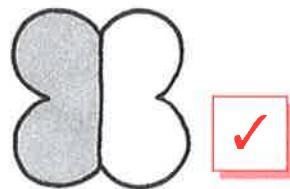
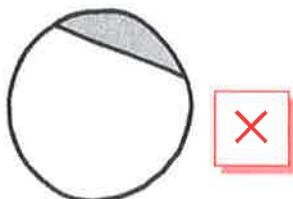


Halves

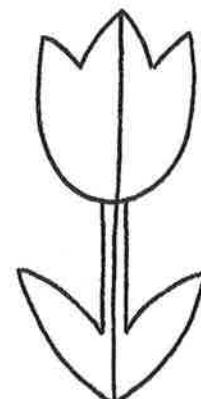
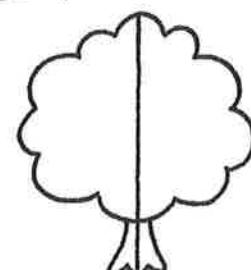
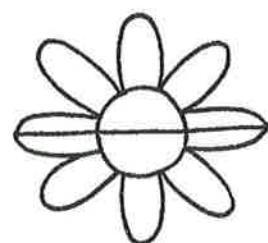
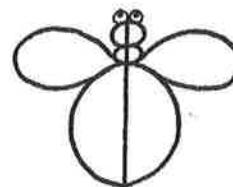
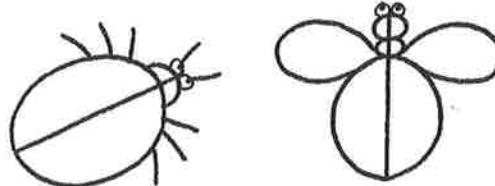
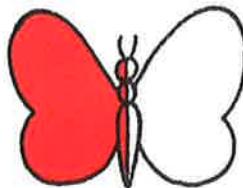
Colour one half ($\frac{1}{2}$) of each shape.



Write a ✓ in the box if $\frac{1}{2}$ the figure is shaded and a ✗ if less than $\frac{1}{2}$ is shaded.



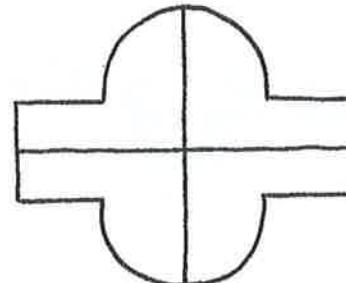
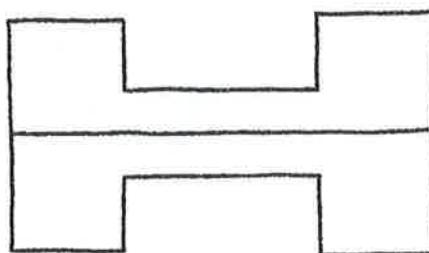
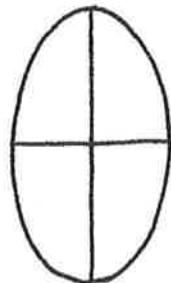
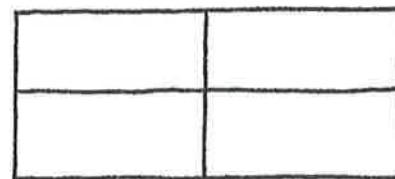
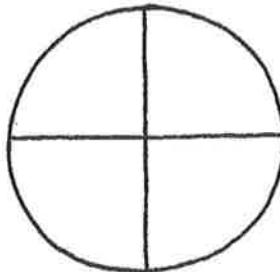
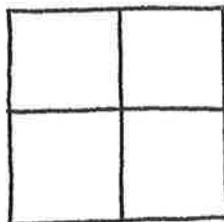
Colour one half ($\frac{1}{2}$) of each figure.



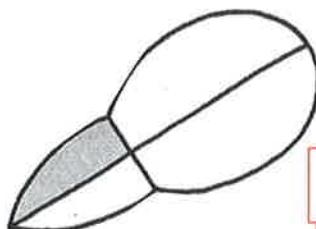
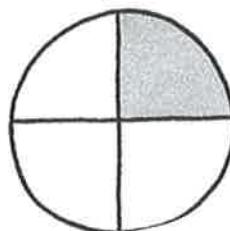
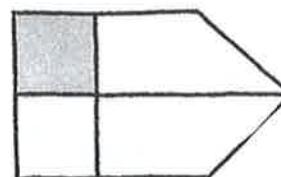
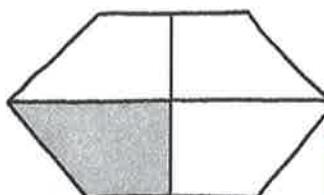
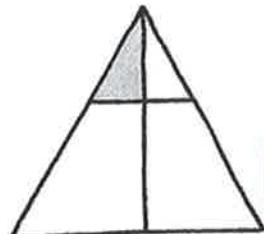
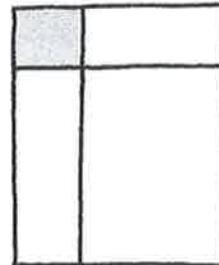


Quarters

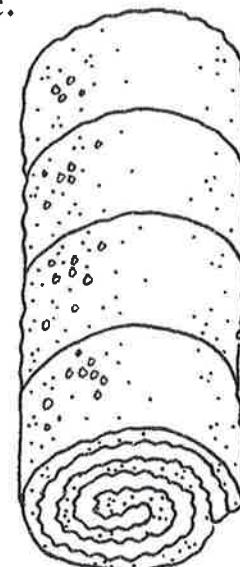
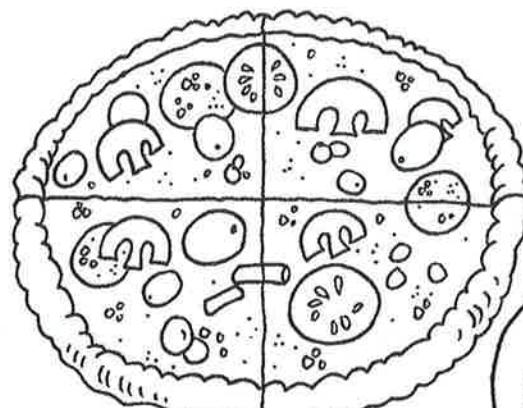
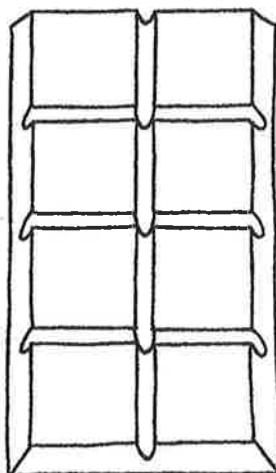
Colour one quarter ($\frac{1}{4}$) of each shape.



Write a ✓ in the box if $\frac{1}{4}$ of the figure is shaded and a ✗ if less than $\frac{1}{4}$ is shaded.

✗✓

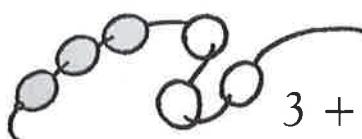
Colour one quarter ($\frac{1}{4}$) of each picture.





Adding up

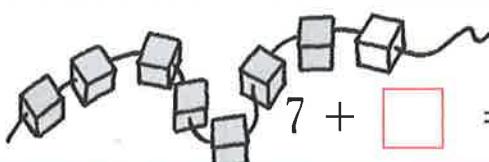
Fill in the missing numbers, and add.



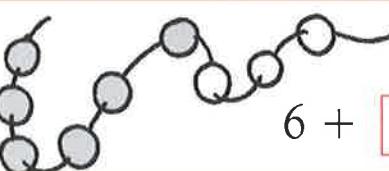
$$3 + \boxed{3} = \boxed{6}$$



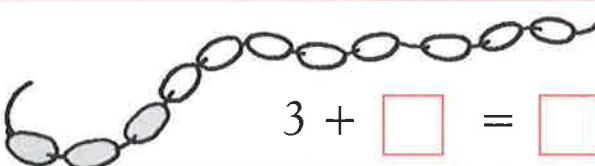
$$4 + 4 = \boxed{}$$



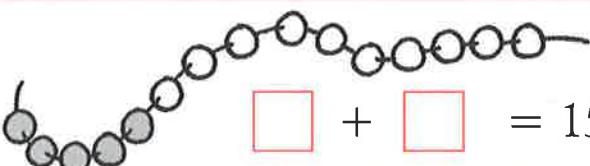
$$7 + \boxed{} = \boxed{}$$



$$6 + \boxed{} = \boxed{}$$

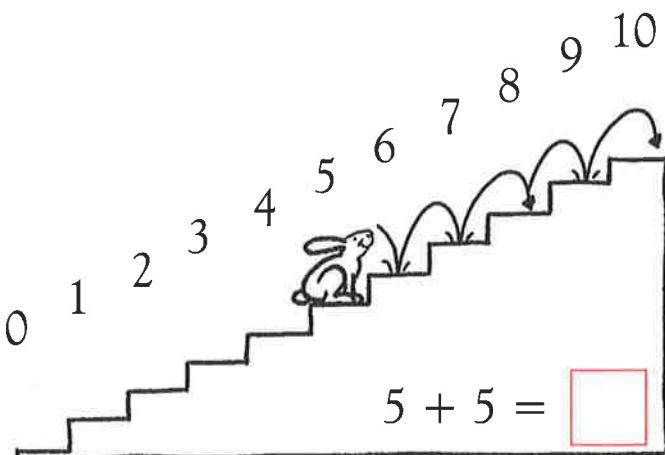
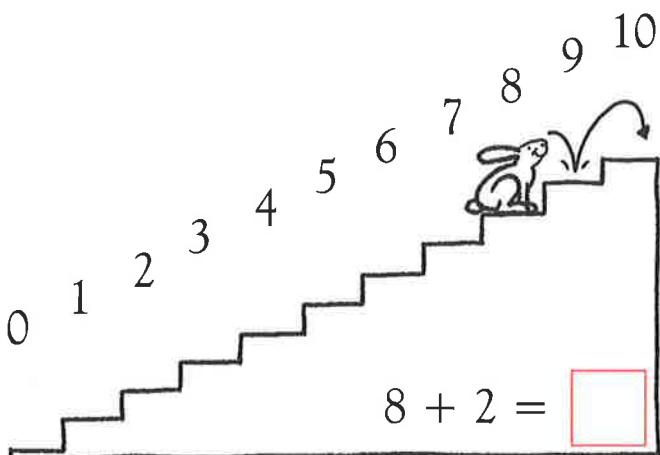
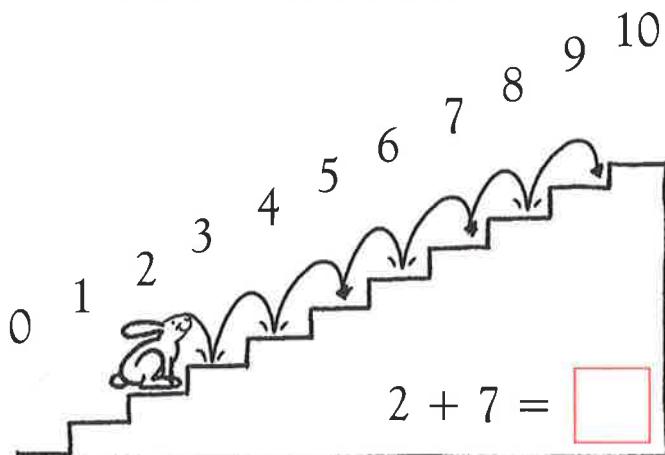
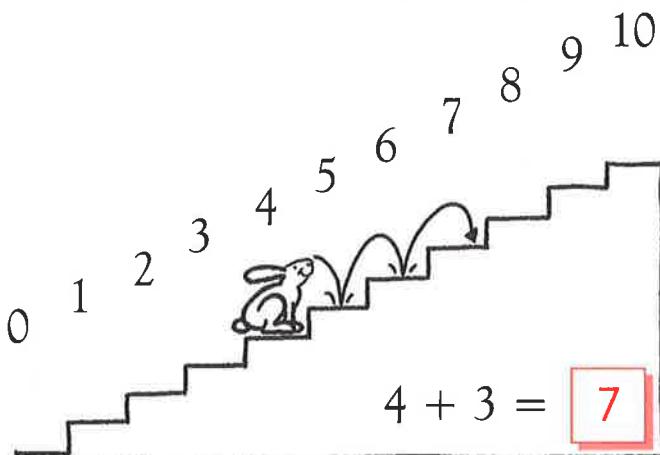


$$3 + \boxed{} = \boxed{}$$



$$\boxed{} + \boxed{} = 15$$

Count on to find out on which step the rabbit stops.



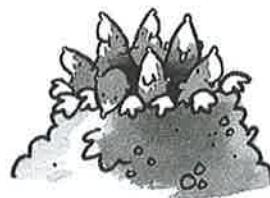


Adding animals

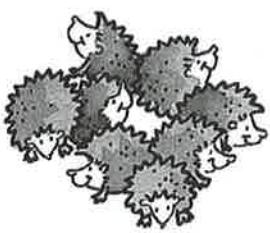
Count and add the animals, and then write the new number.



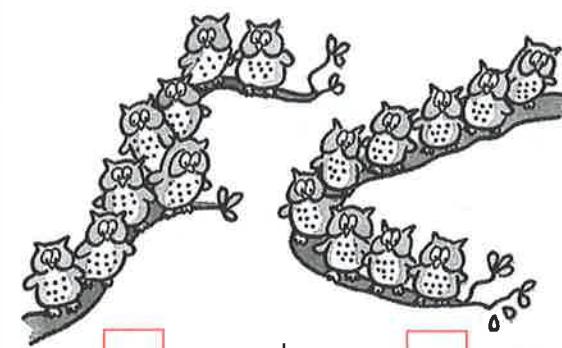
$$\boxed{2} + \boxed{6} = \boxed{8}$$



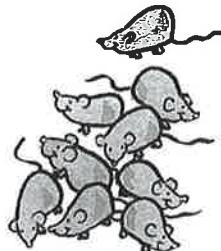
$$\boxed{} + \boxed{} = \boxed{}$$



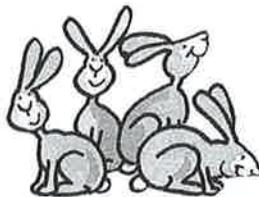
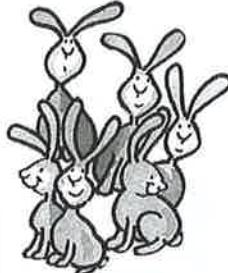
$$\boxed{} + \boxed{} = \boxed{}$$



$$\boxed{} + \boxed{} = \boxed{}$$



$$\boxed{} + \boxed{} = \boxed{}$$



$$\boxed{} + \boxed{} = \boxed{}$$

Fill in the missing numbers in the equations.

$$7 + 4 = \boxed{11}$$

$$3 + \boxed{} = 12$$

$$6 + 6 = \boxed{}$$

$$9 + 5 = \boxed{}$$

$$2 + 8 = \boxed{}$$

$$3 + 11 = \boxed{}$$

$$9 + 3 = \boxed{}$$

$$6 + \boxed{} = 10$$

$$13 + \boxed{} = 17$$

$$2 + \boxed{} = 5$$

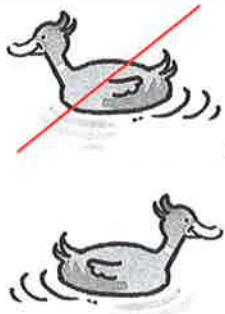
$$16 + \boxed{} = 16$$

$$15 + \boxed{} = 19$$

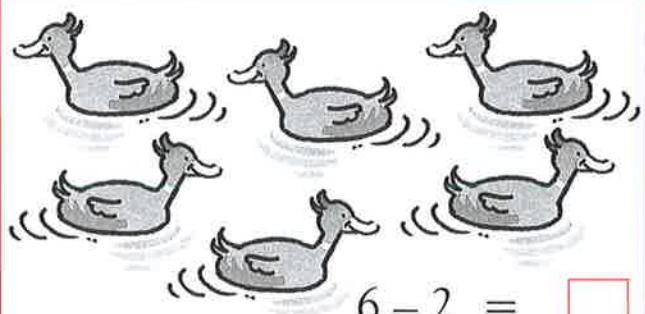


Subtracting

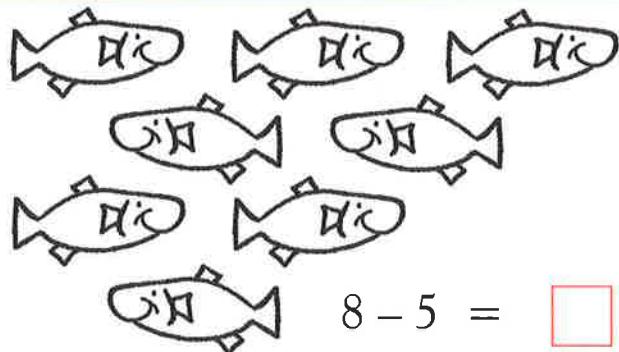
Cross out the correct number of animals, and fill in the answers.



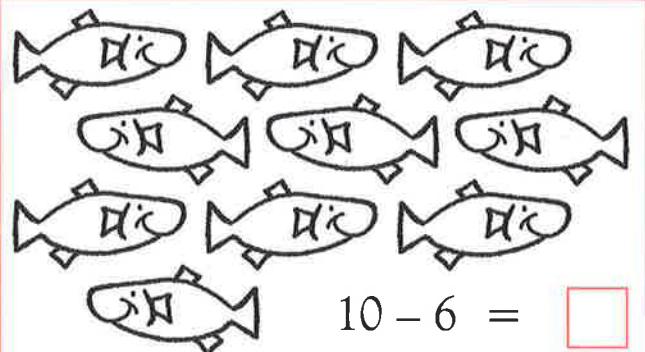
$$4 - 1 = \boxed{3}$$



$$6 - 2 = \boxed{}$$

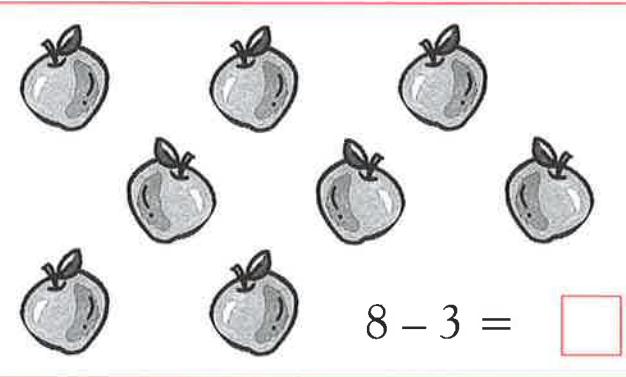


$$8 - 5 = \boxed{}$$

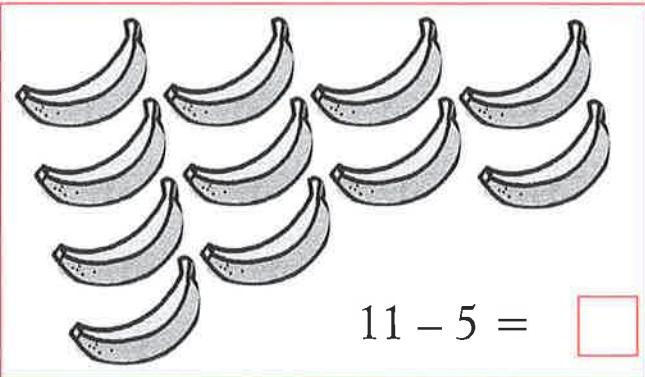


$$10 - 6 = \boxed{}$$

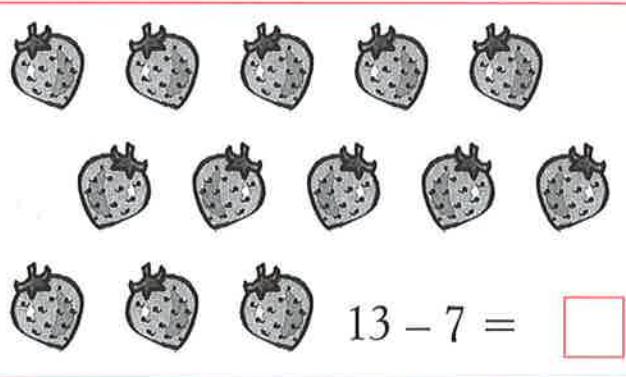
Cross out the correct number of fruits, and fill in the answers.



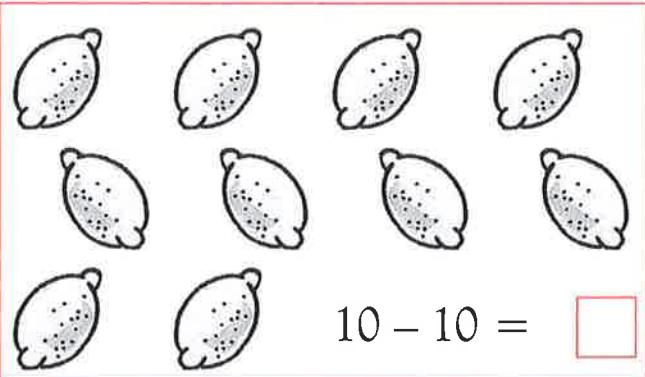
$$8 - 3 = \boxed{}$$



$$11 - 5 = \boxed{}$$



$$13 - 7 = \boxed{}$$

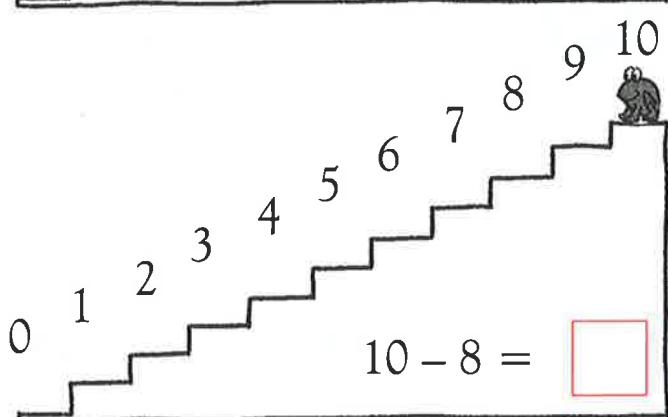
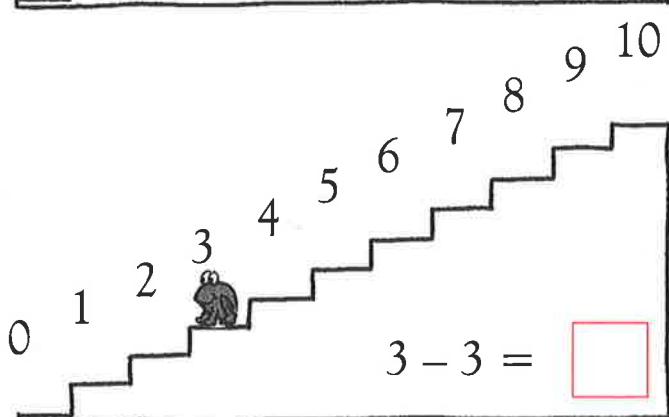
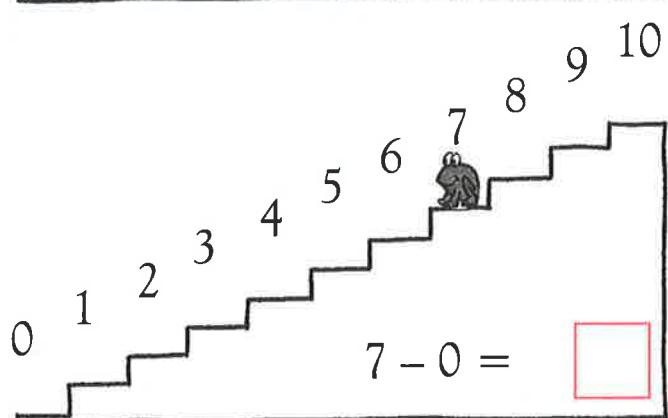
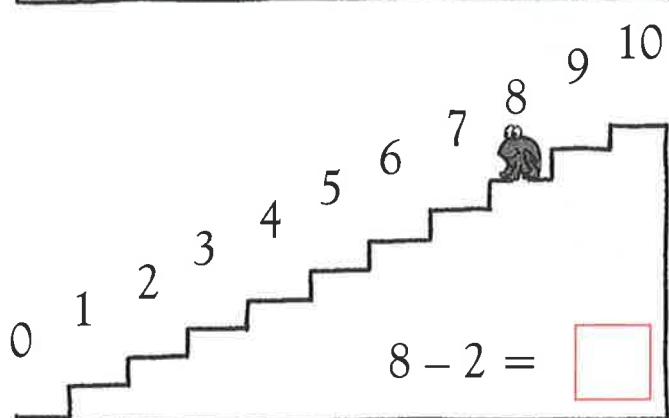
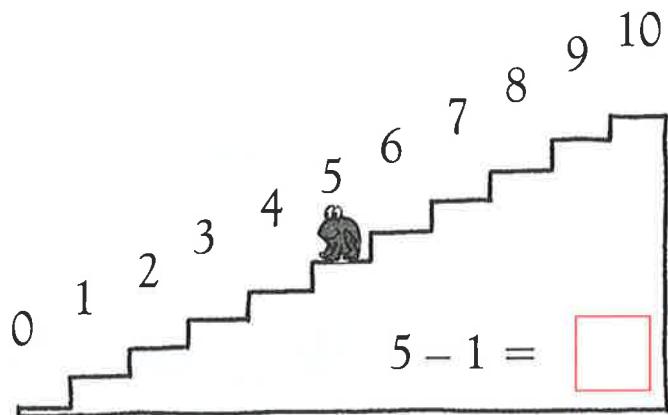
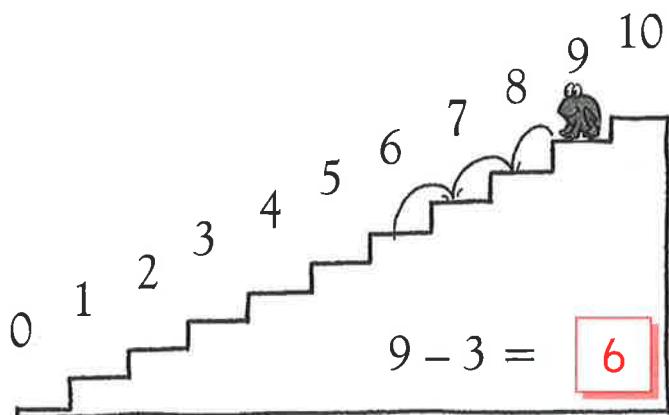


$$10 - 10 = \boxed{}$$



Counting back

Count back to find out on which step the frog stops.



Write the missing numbers in the boxes.

$$3 - 3 = \square$$

$$20 - 10 = \square$$

$$9 - \square = 6$$

$$15 - \square = 5$$

$$5 - 4 = \square$$

$$8 - 8 = \square$$

$$5 - \square = 0$$

$$20 - \square = 4$$

$$15 - 4 = \square$$

$$19 - 9 = \square$$

$$6 - \square = 2$$

$$18 - \square = 11$$

$$10 - 9 = \square$$

$$16 - 9 = \square$$

$$10 - \square = 4$$

$$13 - \square = 10$$

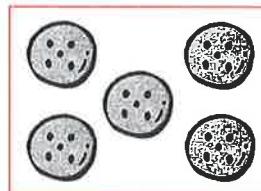
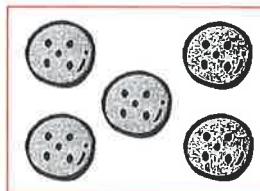


Sets

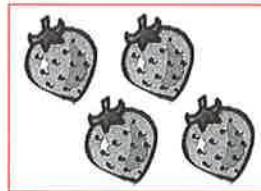
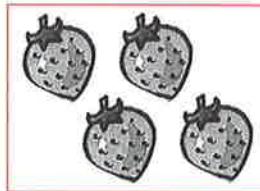
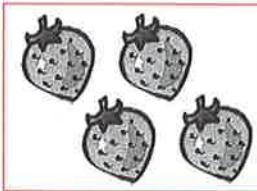
Write the missing numbers in the boxes.



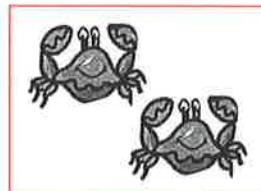
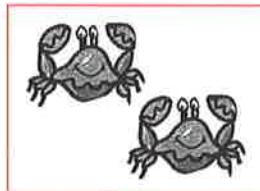
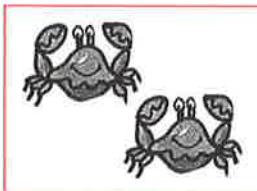
$$2 \text{ sets of } 3 = 6$$



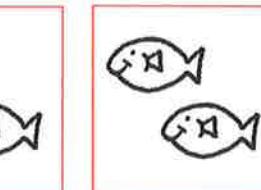
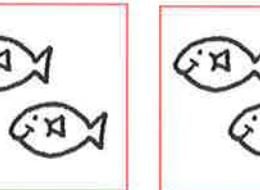
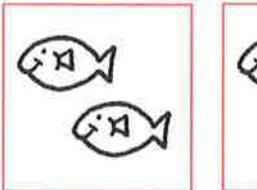
$$2 \text{ sets of } 5 = \square$$



$$3 \text{ sets of } 4 = \square$$



$$\square \text{ sets of } 2 = \square$$

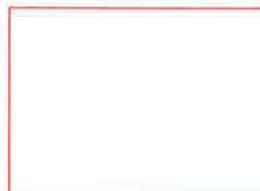


$$\square \text{ sets of } 2 = \square$$

Draw pictures in the boxes to match the equations.



$$3 \text{ sets of } 3 = 9$$



$$2 \text{ sets of } 4 = 8$$



Money

Which coin?



Penny



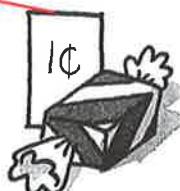
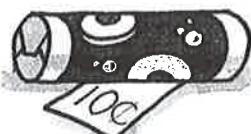
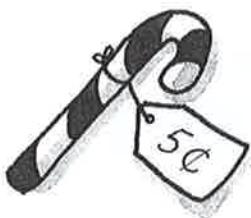
Nickel



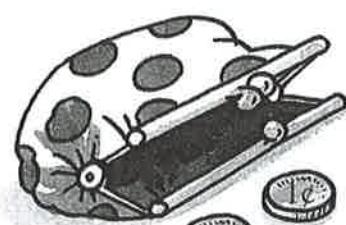
Dime



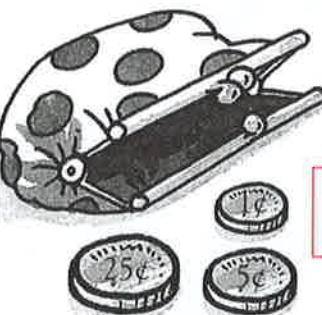
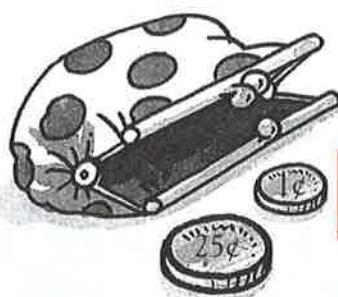
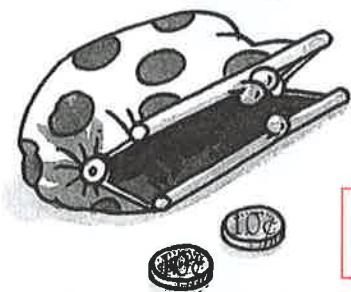
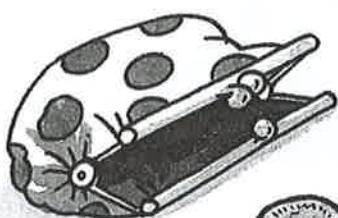
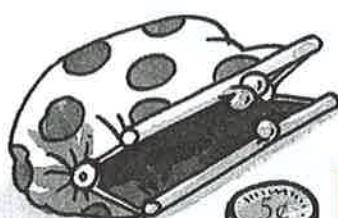
Quarter



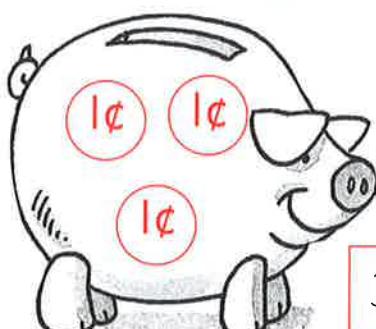
How much?



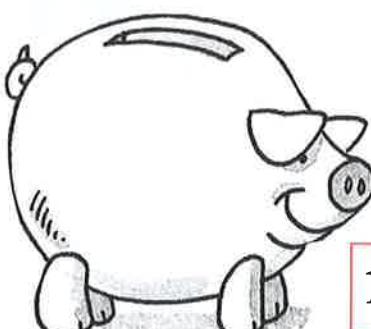
3¢



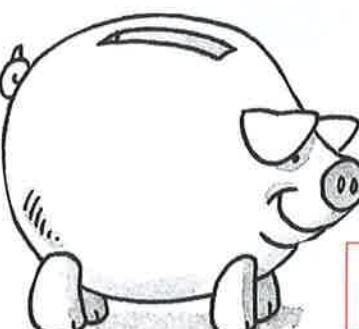
Put the correct change in the piggy bank.



3¢



11¢



7¢



Ordering stories

Which happens 1st, 2nd, and 3rd?



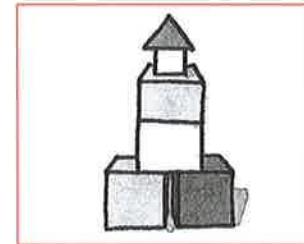
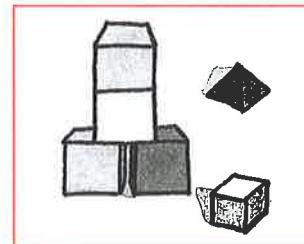
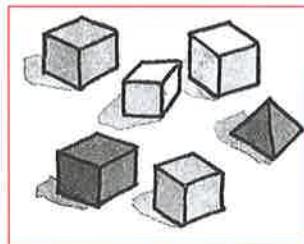
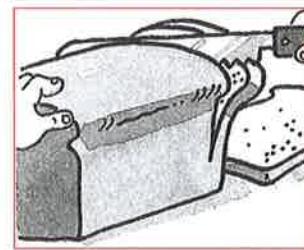
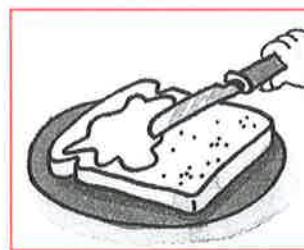
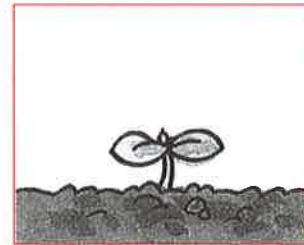
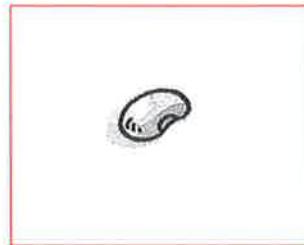
2nd



3rd



1st



Match the pictures to the order in which they happened.



4th

2nd

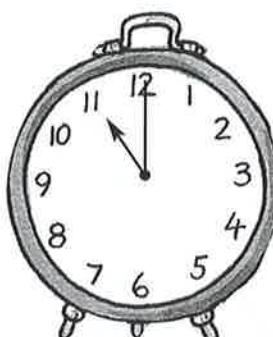
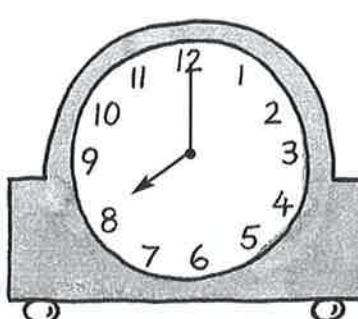
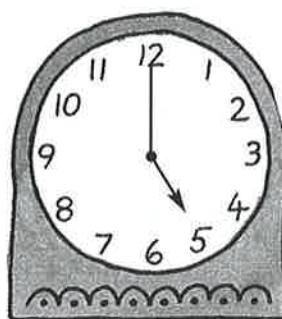
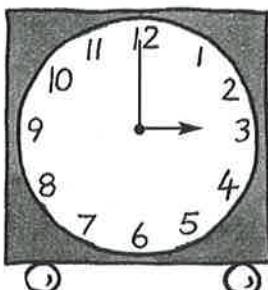
1st

3rd

Time



Write the time in each box.



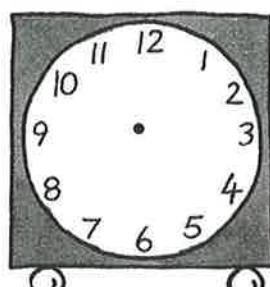
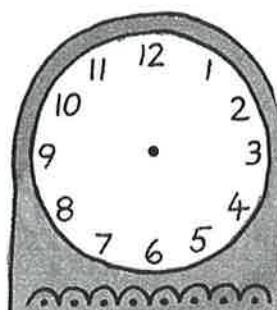
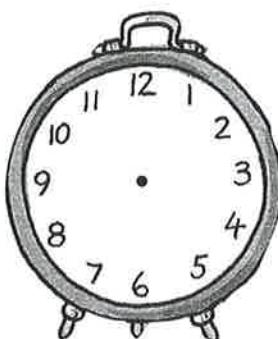
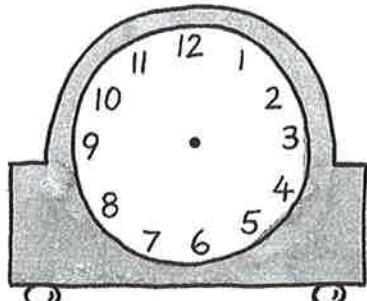
3 o'clock

o'clock

o'clock

o'clock

Draw the hands on the clock faces.



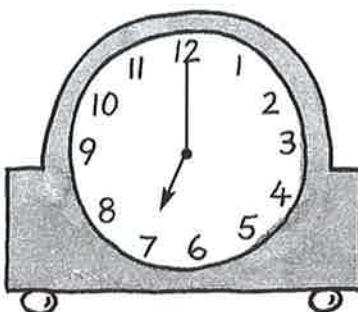
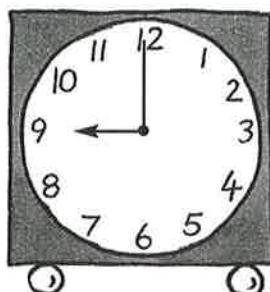
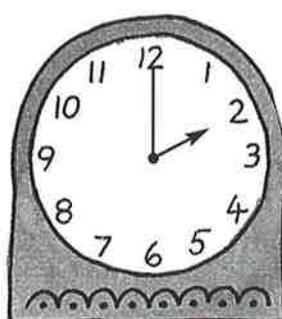
4 o'clock

10 o'clock

1 o'clock

6 o'clock

Match the times to the clocks.



12 o'clock

7 o'clock

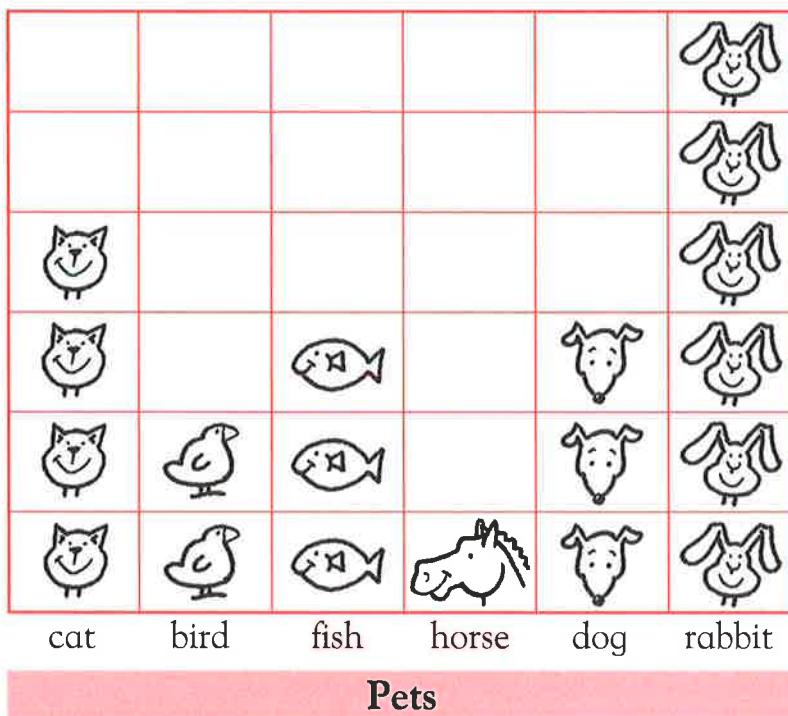
2 o'clock

9 o'clock



Graphs

Number of pets



Pets

Draw the pet
that matches
the number.

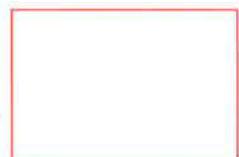
6



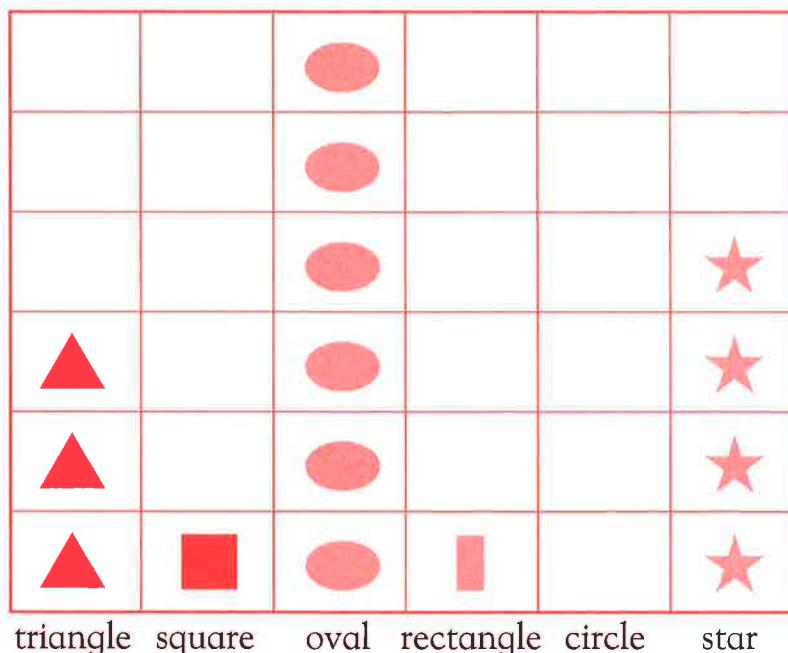
2



1



Number of shapes



Shapes

Which shape
matches each
number?

4



0



3



How many pets?



4



How many shapes?



2-dimensional shapes



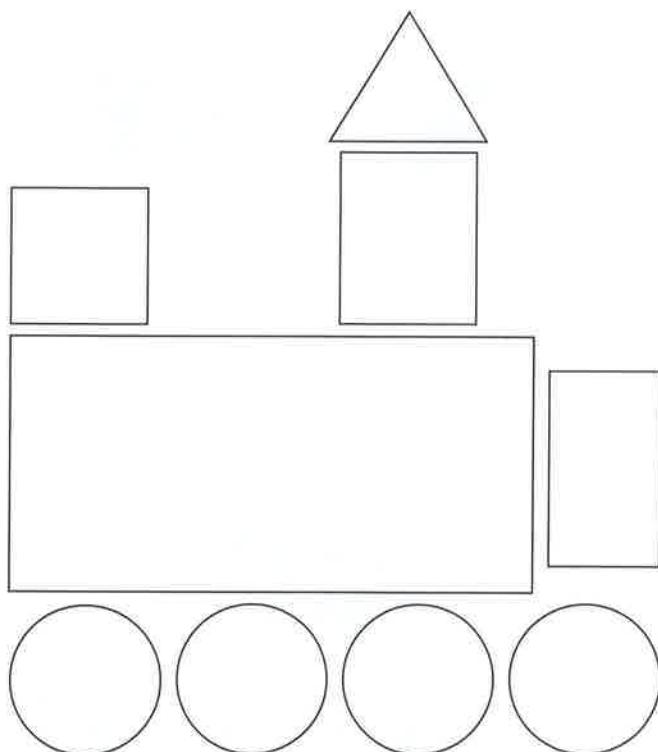
= yellow

= green

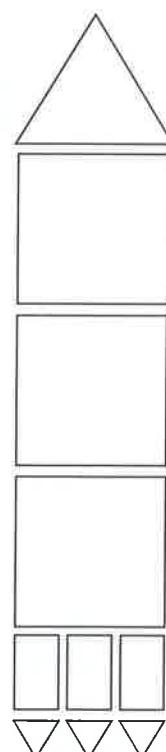
= purple

= blue

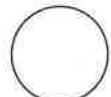
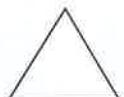
Colour the shapes.



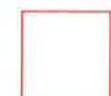
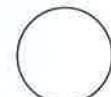
Colour the shapes.



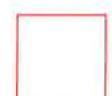
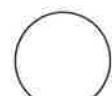
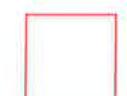
How many?



How many?

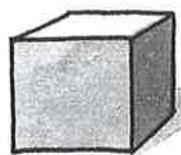


Draw a picture using the shapes shown on this page.
How many?

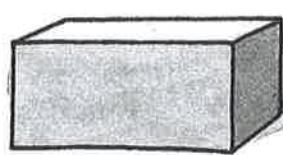




3-dimensional shapes



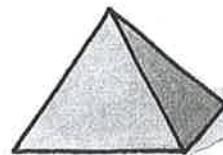
cube



prism



sphere

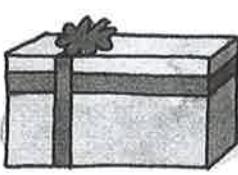


pyramid

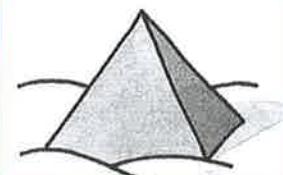
Match the shapes to the names.



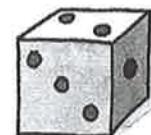
pyramid



sphere

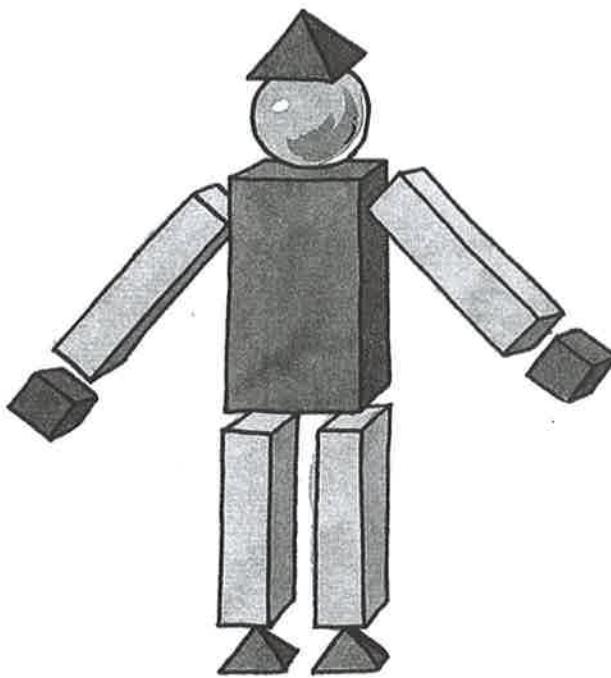


cube



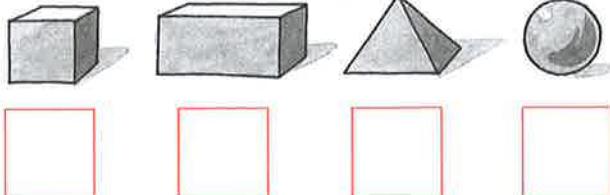
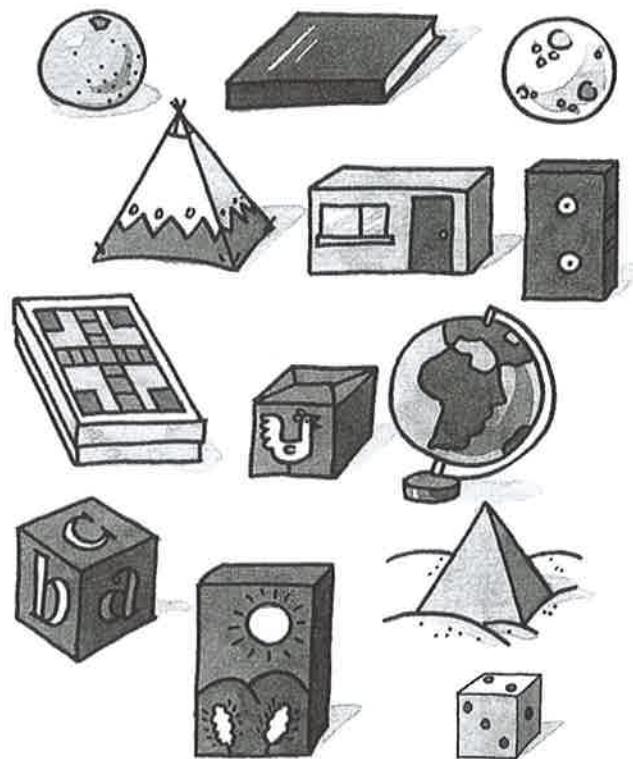
prism

How many?



2

How many?





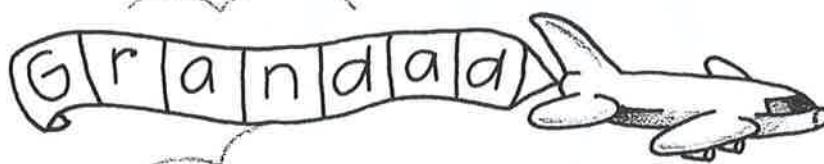
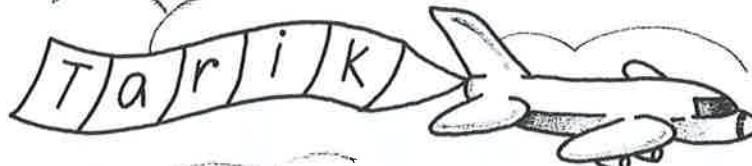
Writing numbers

Count, write, and say the number of letters.

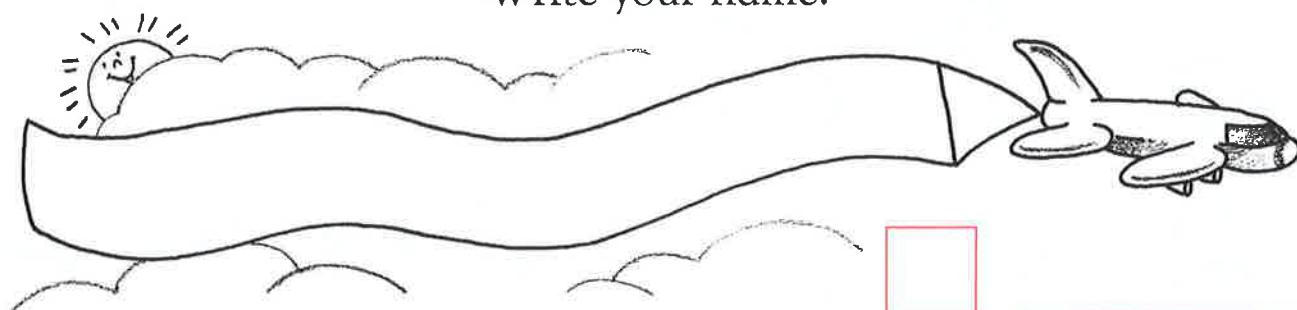


9

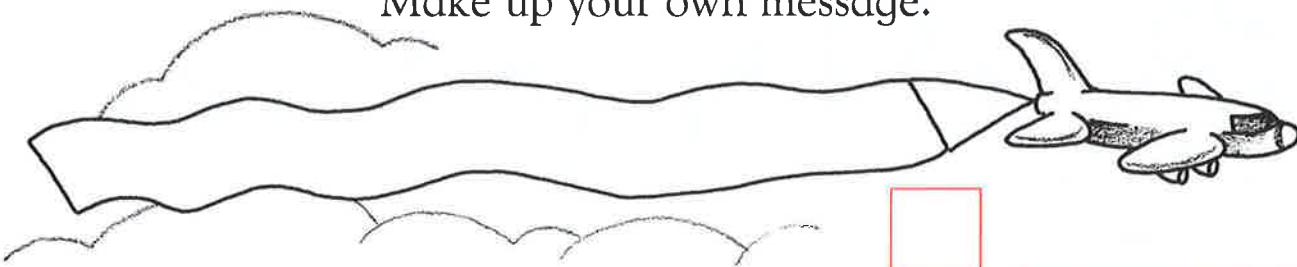
nine



Write your name.



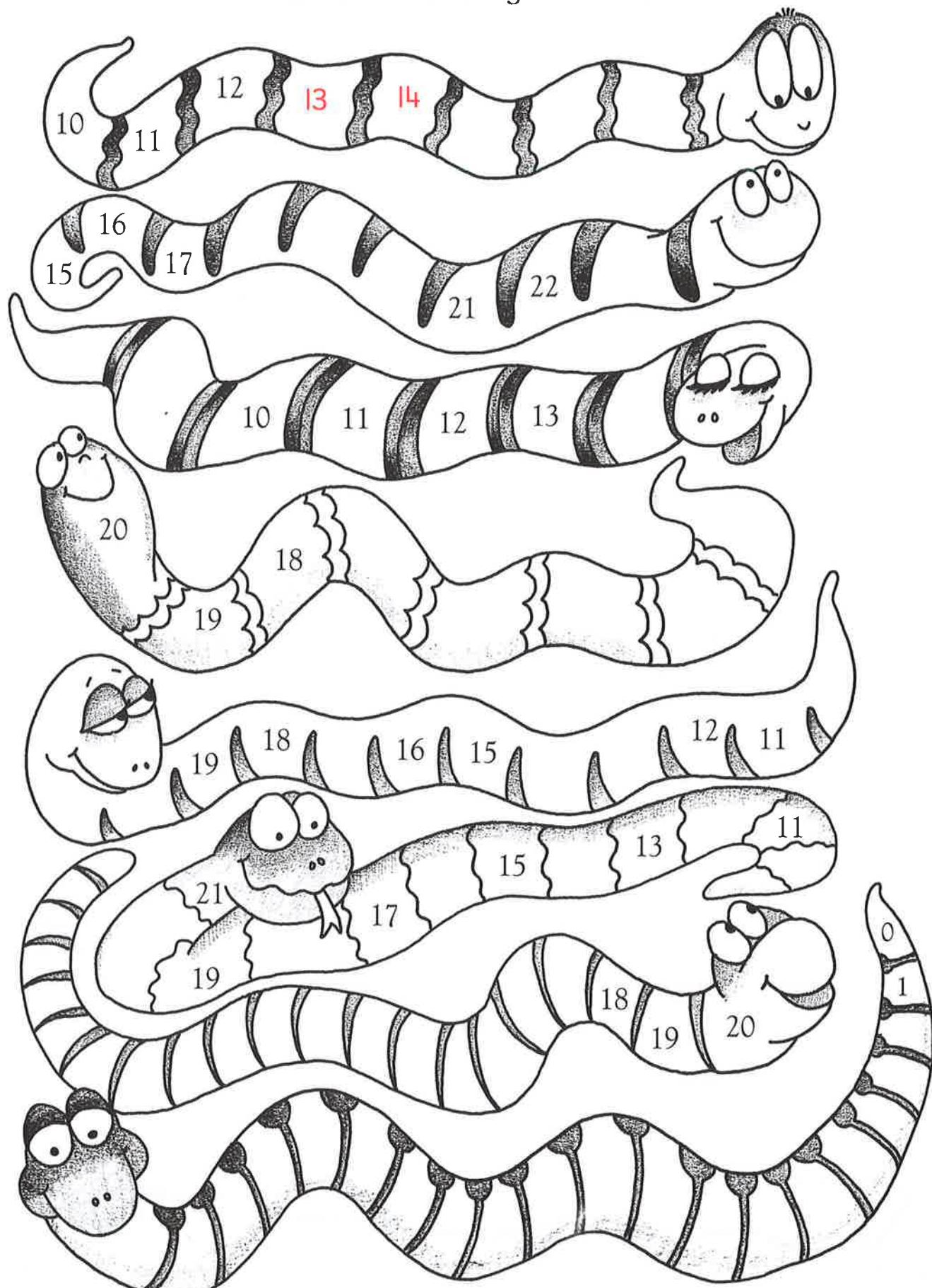
Make up your own message.





Counting

Write the missing numbers.



Counting on by 2s



Hop by 2s. Colour the squares.

Elizabeth Even "



Oliver Odd

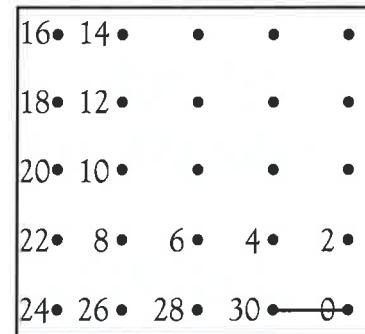
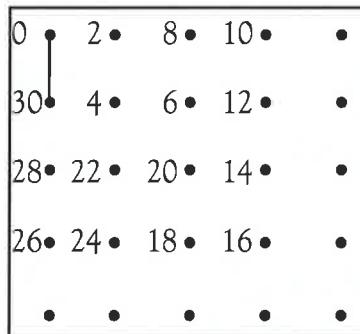
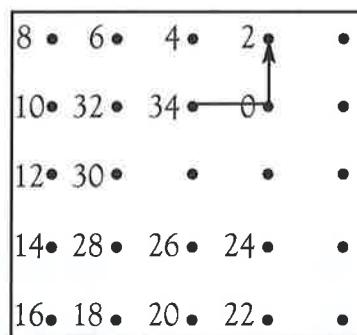
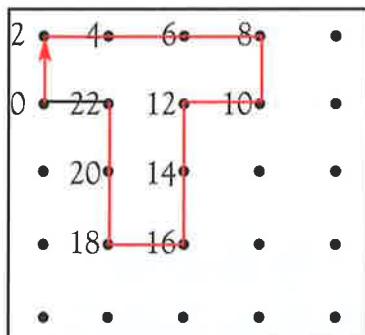


| | | | | | | | | |
|----|----|----|----|----|----|----|----|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 |

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |



What letters will you find? Say the numbers as you draw.



Write the numbers.

Even numbers

2 4 6

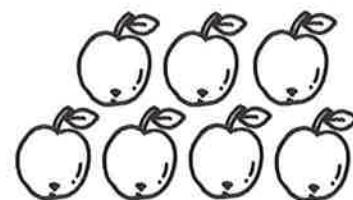
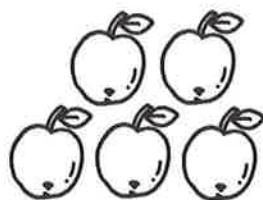
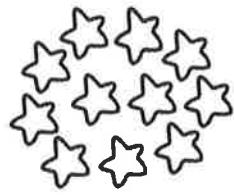
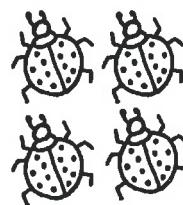
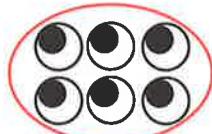
Odd numbers

1 3 5

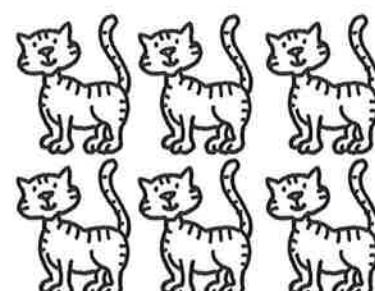
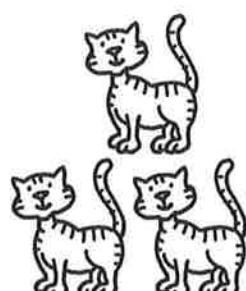
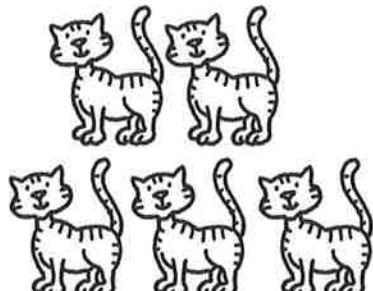
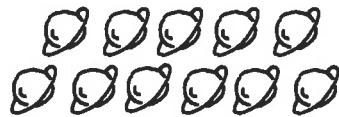
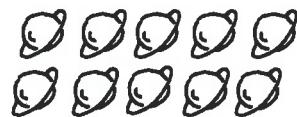
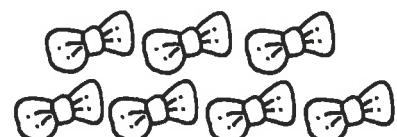
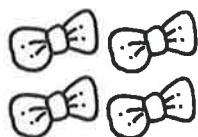
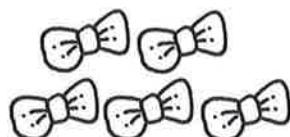


Most and least

Circle the set with the most items in it.



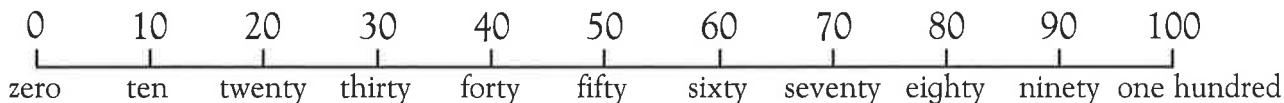
Circle the set with the least items in it.



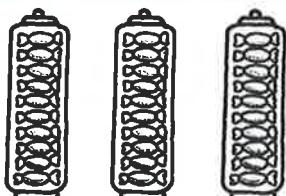
Counting by 10s



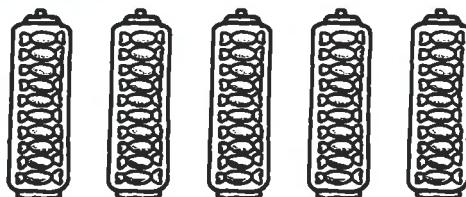
Use this number line to help you.



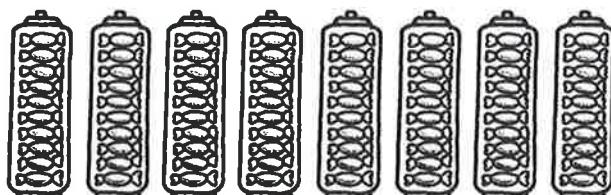
How many candies? Count, say, and write.



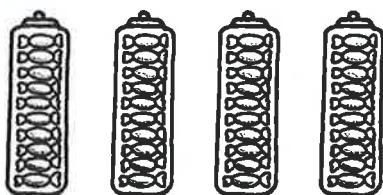
30 thirty



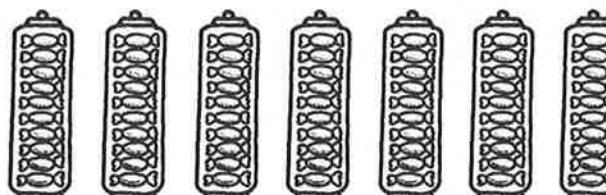
50



eighty



60



Put the numbers in the right order.

10 60 100 50 20 70 90 30 40 80

10 20

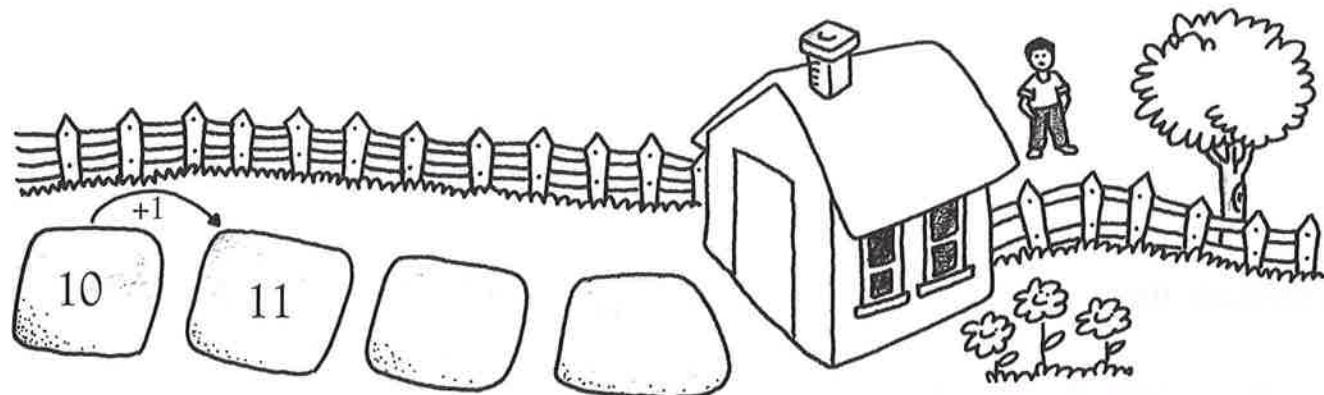
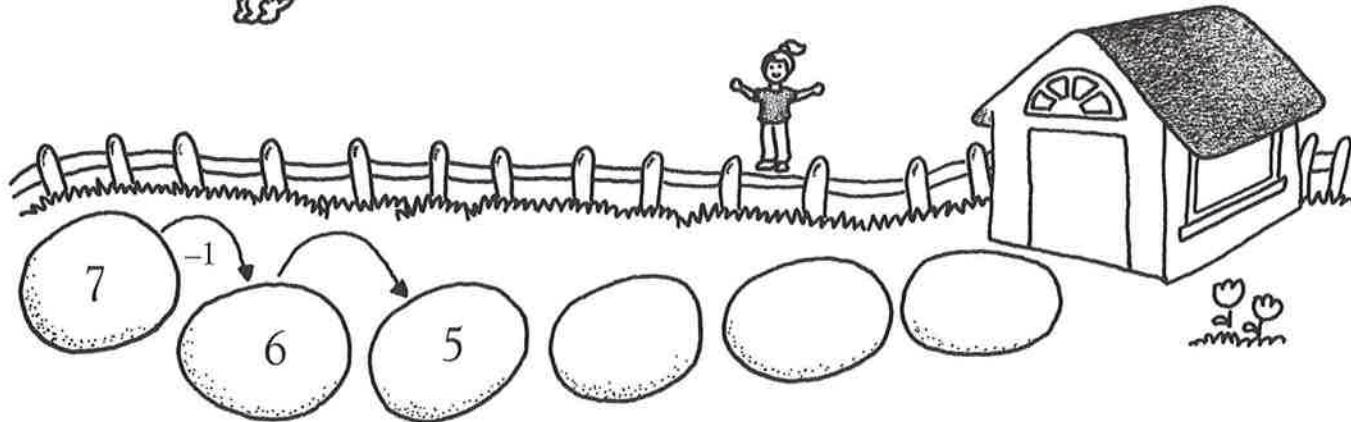
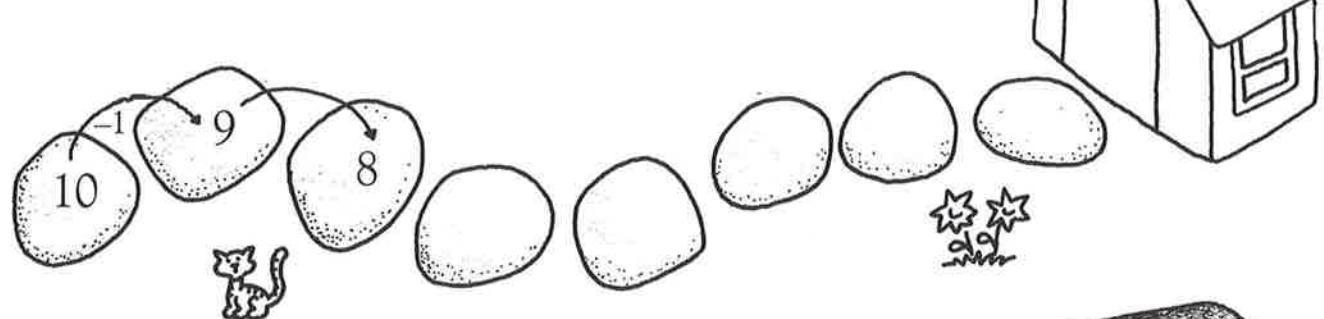
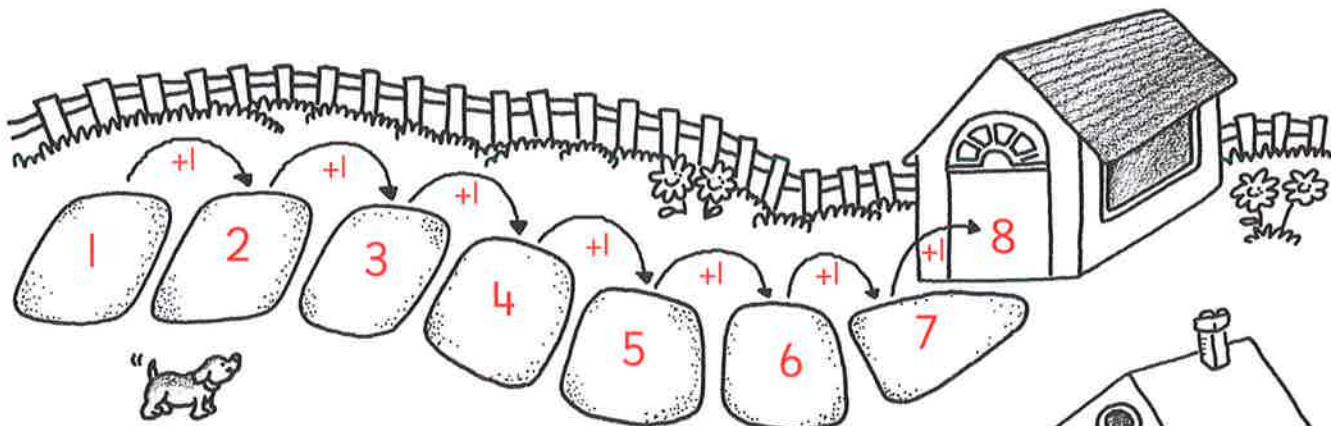
Greatest first

100 90 80



Counting forward or back

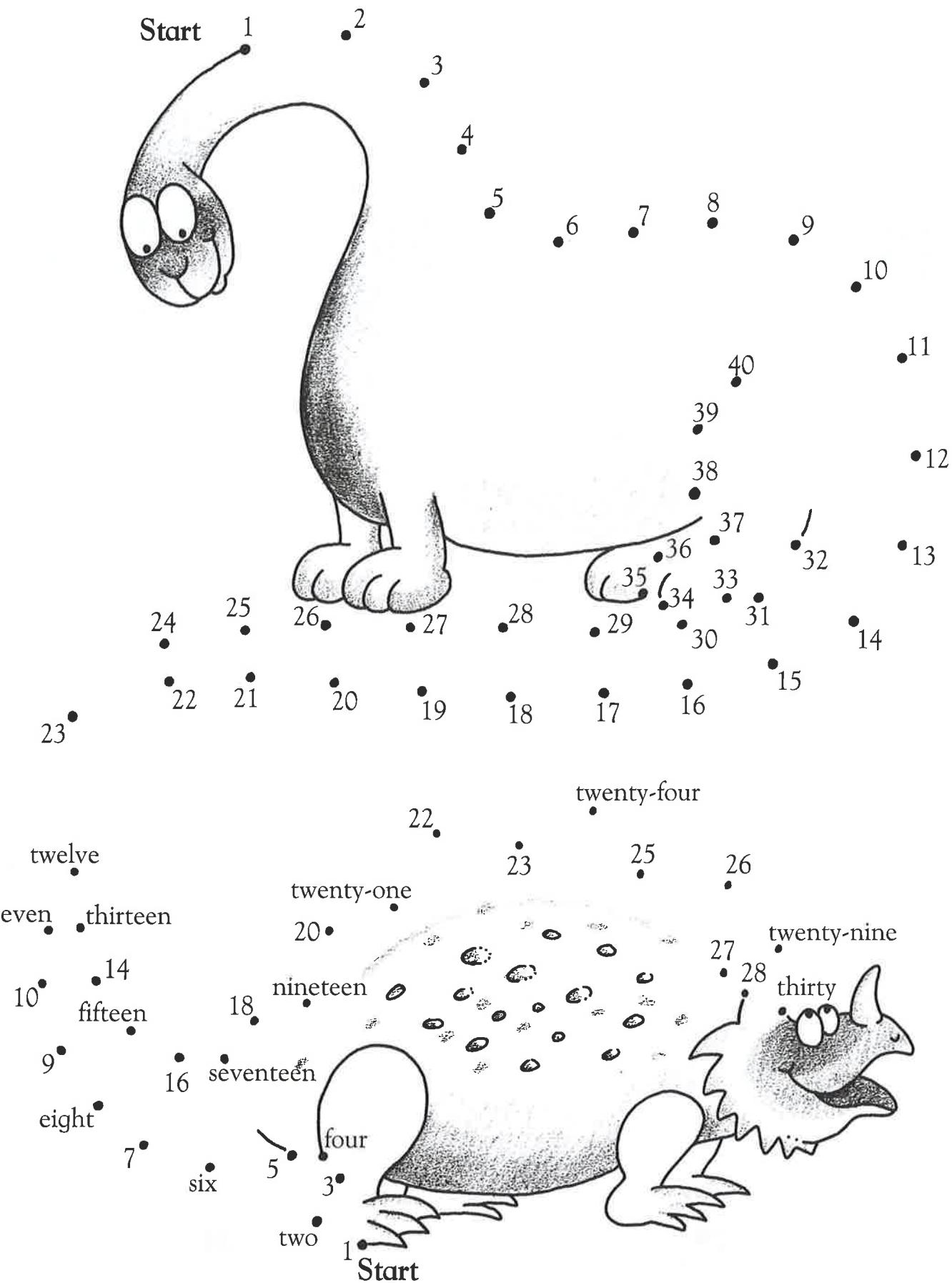
Draw pathways by writing the missing numbers.



Reading numbers



Connect the numbers, and complete the drawings.





Tens and ones

Write the tens and ones.

| tens | ones |
|------|------|
| | |

| tens | ones |
|------|------|
| | |

| tens | ones |
|------|------|
| | |

| tens | ones |
|------|------|
| | |

2 3

| | |
|--|--|
| | |
|--|--|

| | |
|--|--|
| | |
|--|--|

| | |
|--|--|
| | |
|--|--|

23

| |
|--|
| |
|--|

| |
|--|
| |
|--|

| |
|--|
| |
|--|

Draw and write the tens and ones.

| tens | ones |
|------|------|
| | |

| tens | ones |
|------|------|
| | |

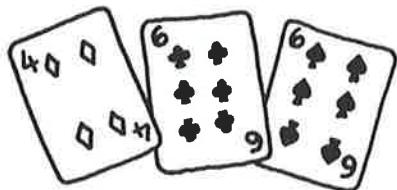
29

34



Comparisons

Add the values, and write *is greater than* or *is less than*.

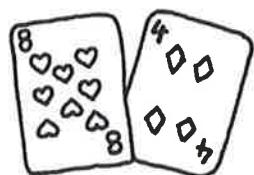


16

is greater than

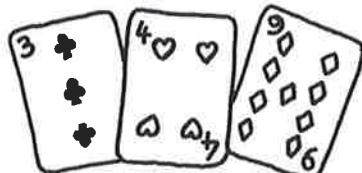
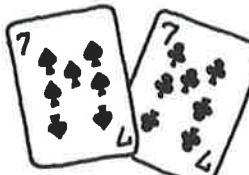


9

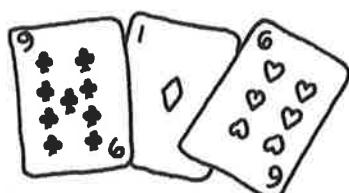


12

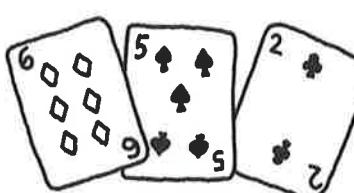
is greater than



is greater than



is greater than



Write the numbers that are 1 more, 1 less, or between.

| 1 less | between | 1 more |
|--------|---------|--------|
| 20 | 21 | 22 |

| 1 less | number | 1 more |
|--------|--------|--------|
| | 26 | |

| number | between | number |
|--------|---------|--------|
| 19 | | 21 |

| 1 less | number | 1 more |
|--------|--------|--------|
| | 29 | |

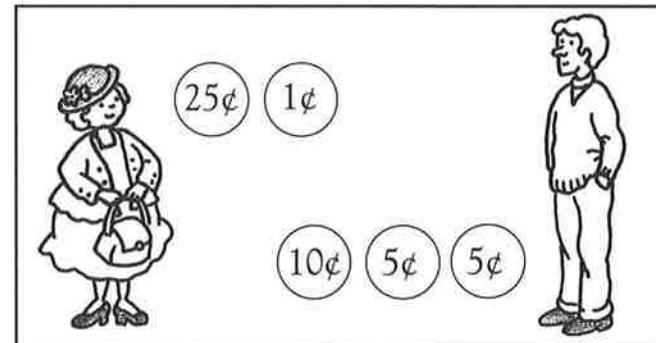
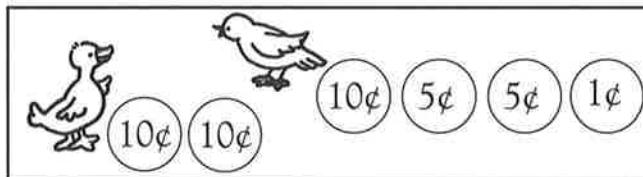
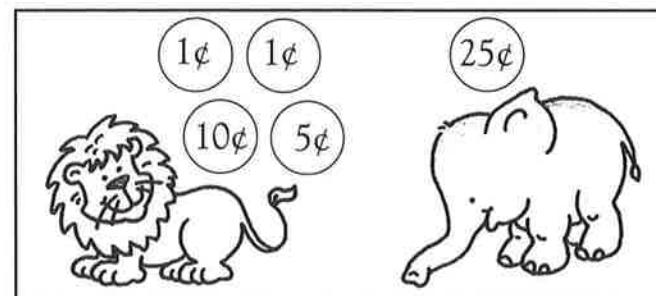
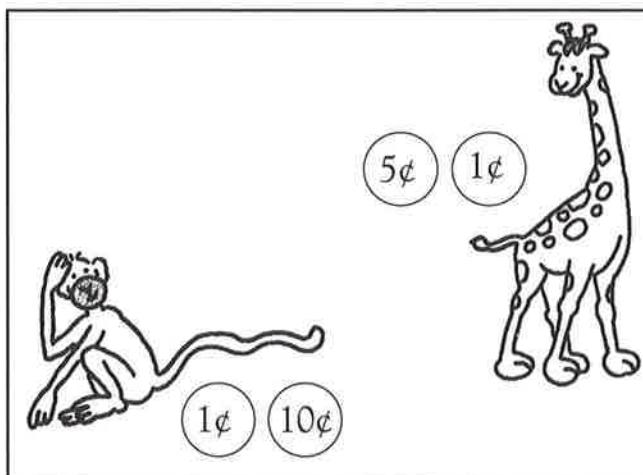
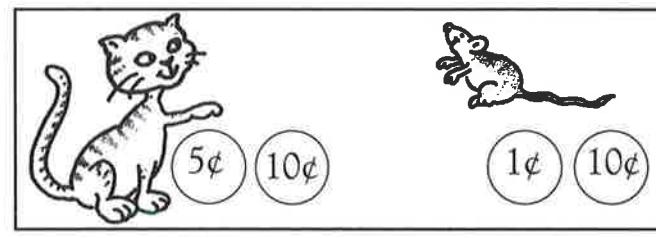
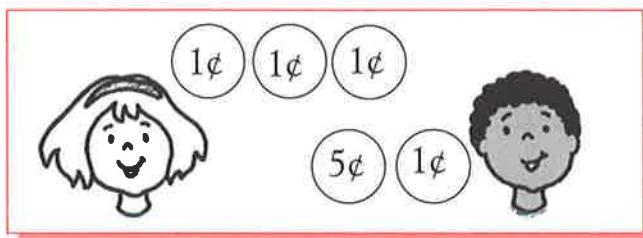
| 1 less | number | 1 more |
|--------|--------|--------|
| | 11 | |

| number | between | number |
|--------|---------|--------|
| 30 | | 32 |

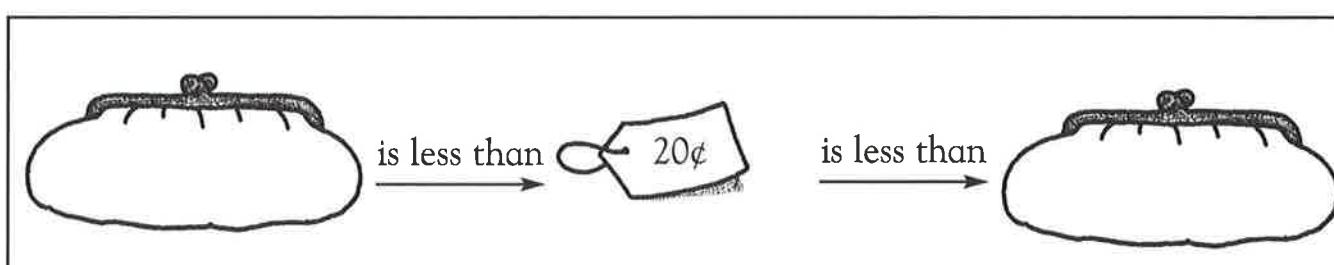
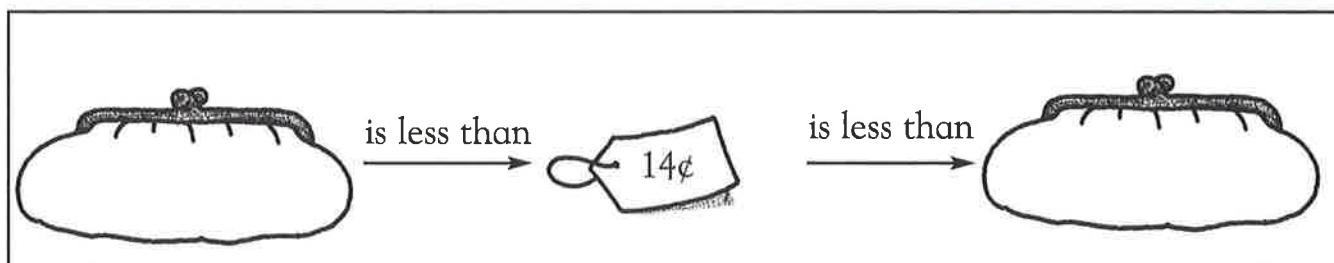
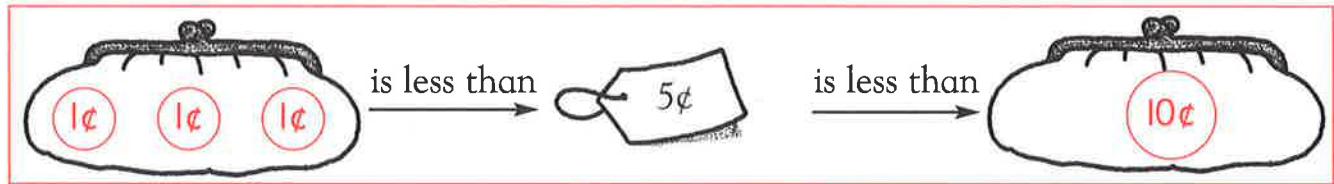


Comparing money

Colour the one who has the most money.



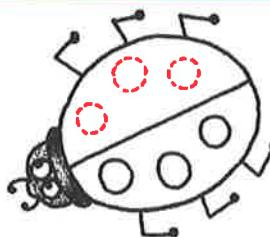
Draw some coins in the purses.





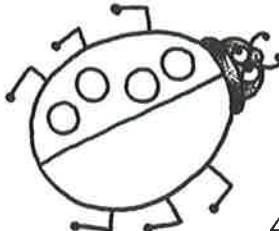
Spot the doubles

Draw the missing spots and write the numbers.



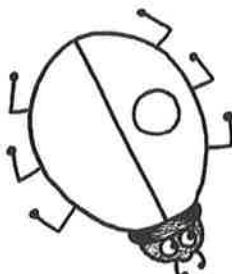
$$3 + \boxed{3} = \boxed{6}$$

double 3 is **6**



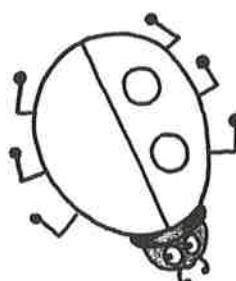
$$4 + \boxed{} = \boxed{}$$

double 4 is **8**



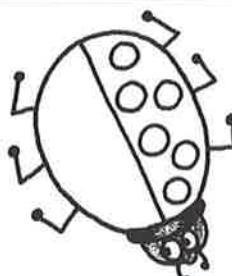
$$1 + \boxed{} = \boxed{}$$

double 1 is **2**



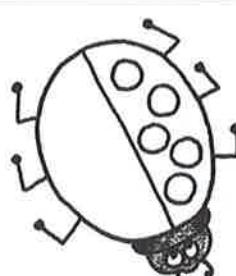
$$2 + \boxed{} = \boxed{}$$

double 2 is **4**



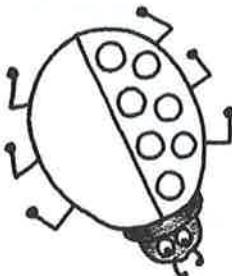
$$6 + \boxed{} = \boxed{}$$

double 6 is **12**



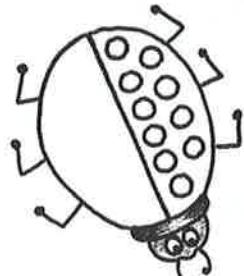
$$5 + \boxed{} = \boxed{}$$

double 5 is **10**



$$7 + \boxed{} = \boxed{}$$

double 7 is **14**



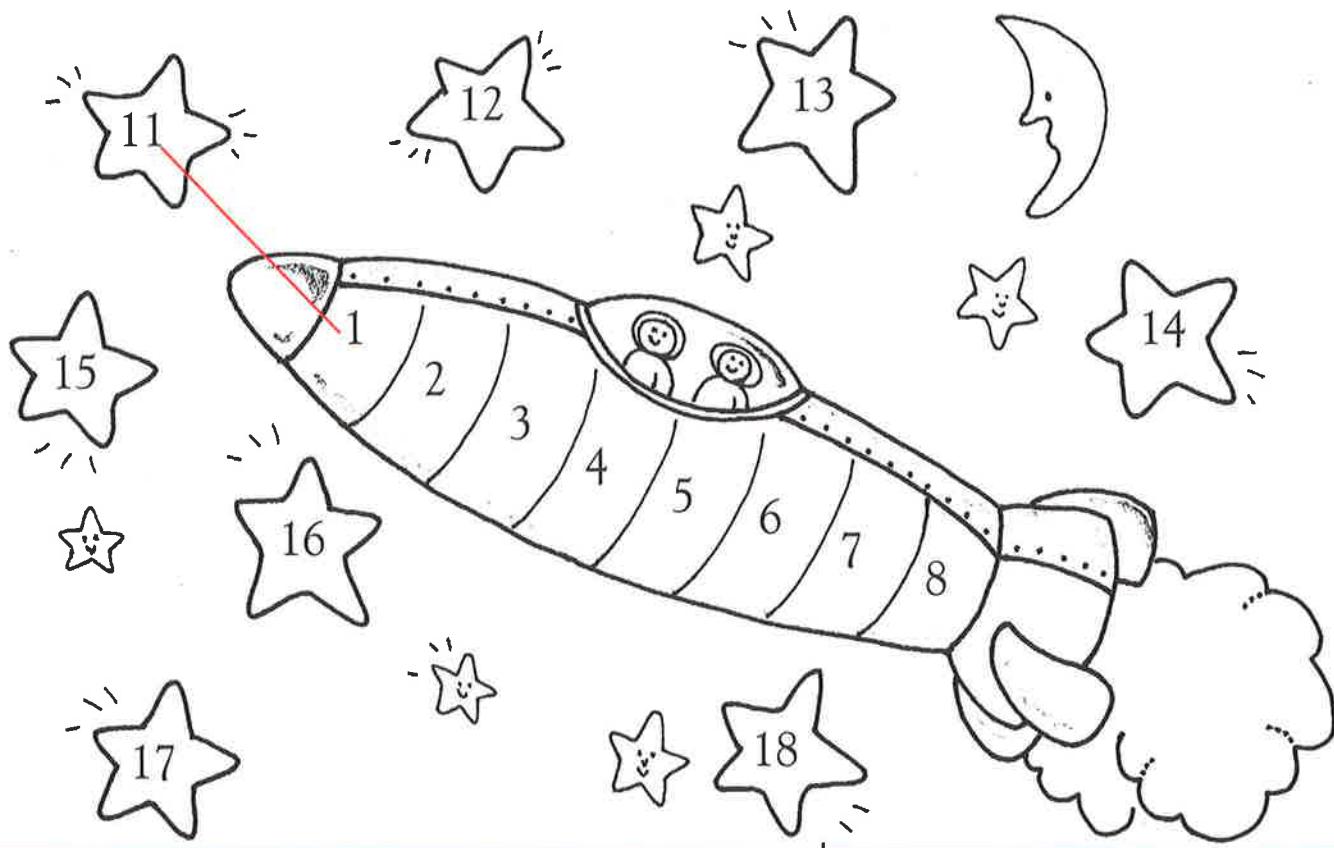
$$10 + \boxed{} = \boxed{}$$

double 10 is **20**

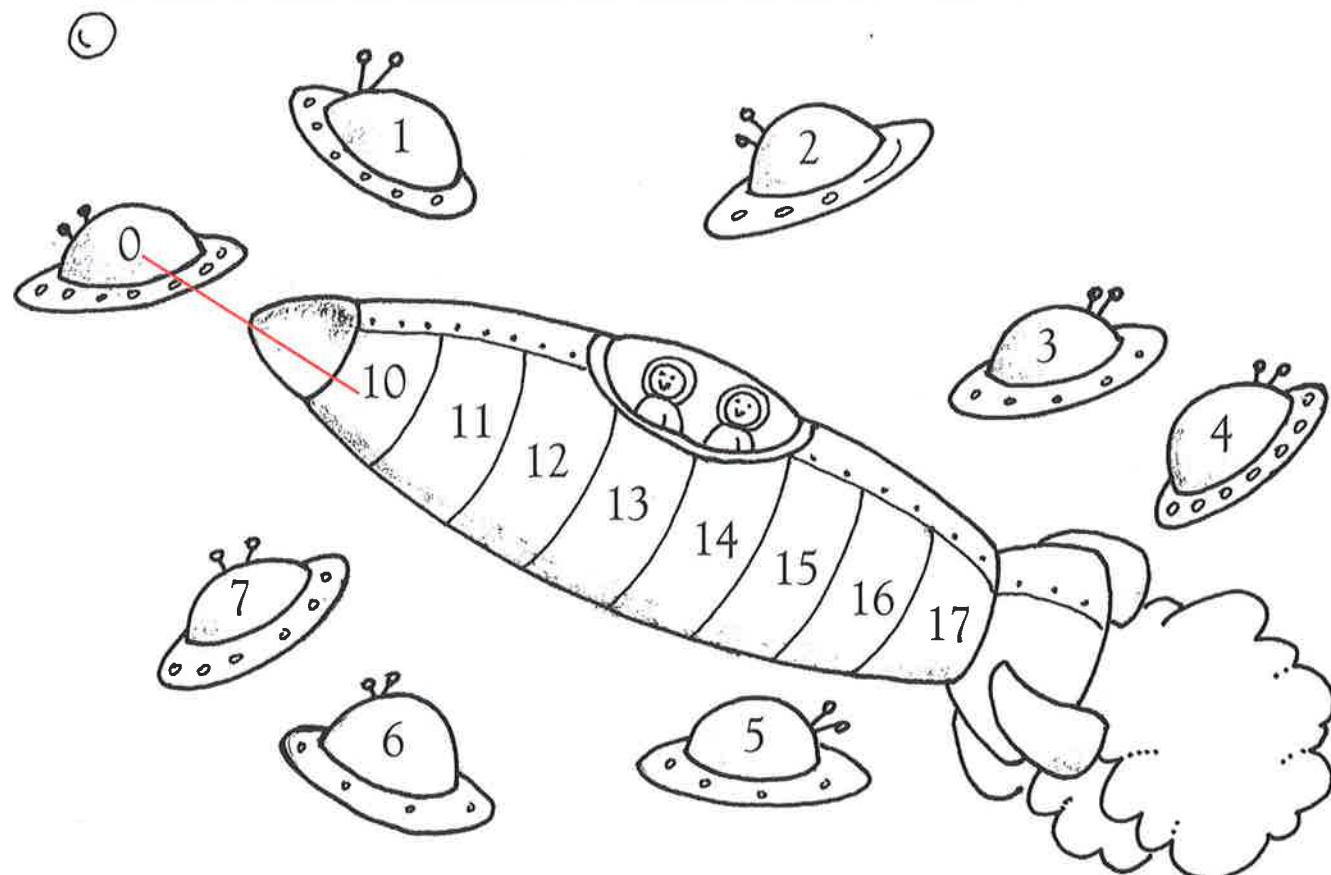


10 more or 10 less

Draw a line to add 10 to each number on the rocket.



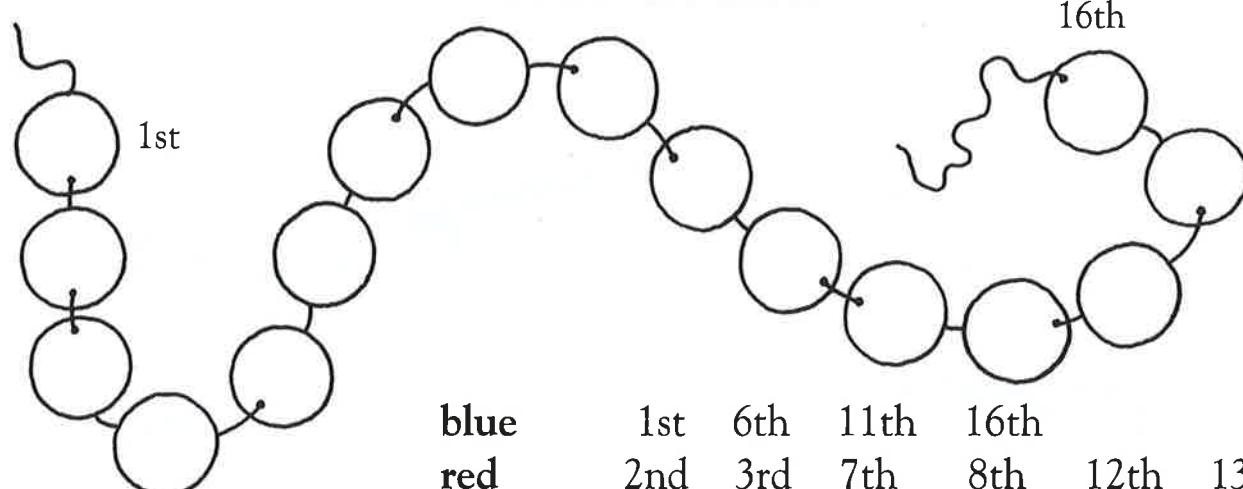
Draw a line to subtract 10 from each number on the rocket.



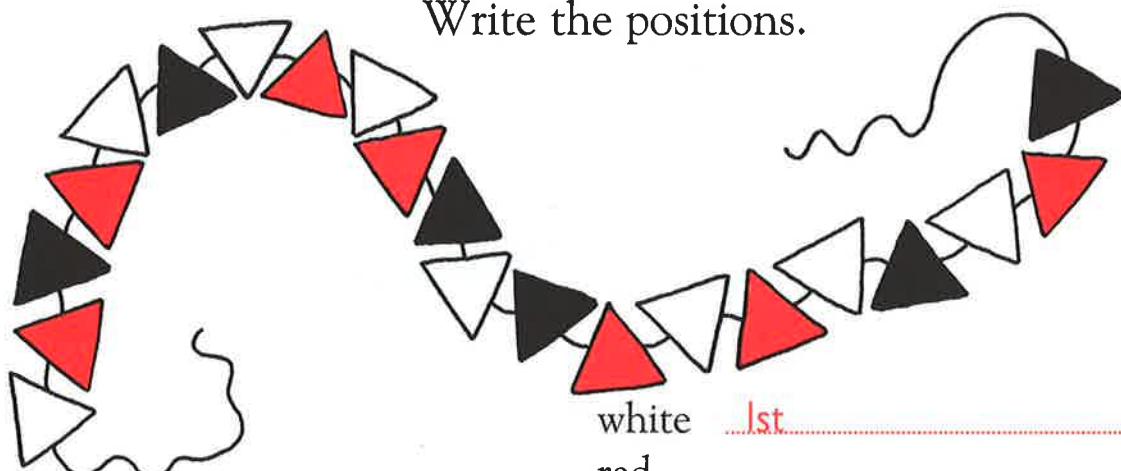


Ordinals

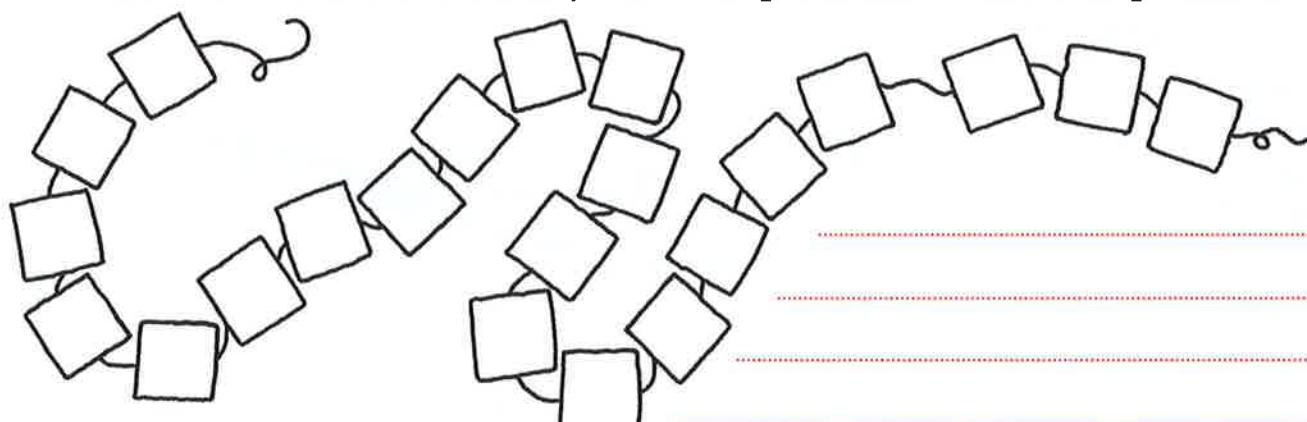
Colour the beads.



Write the positions.



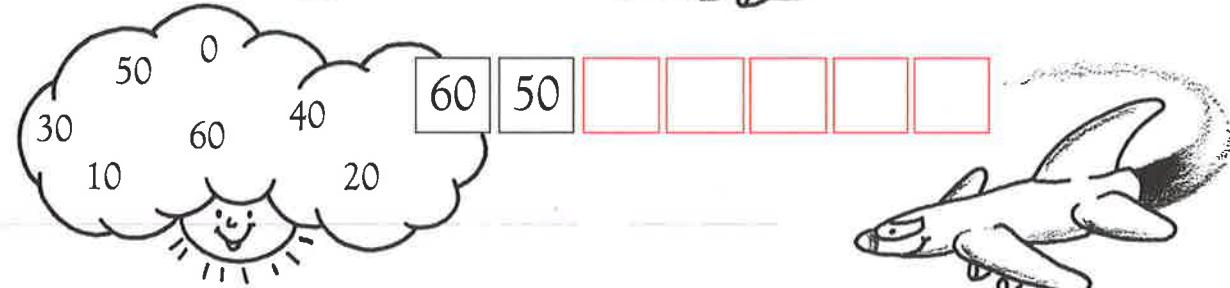
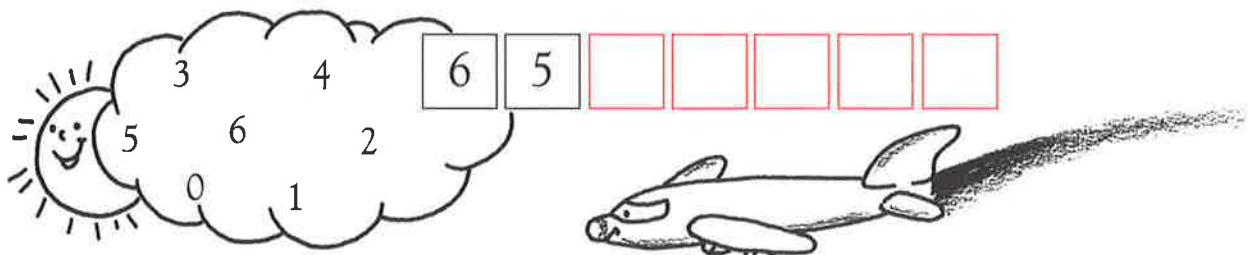
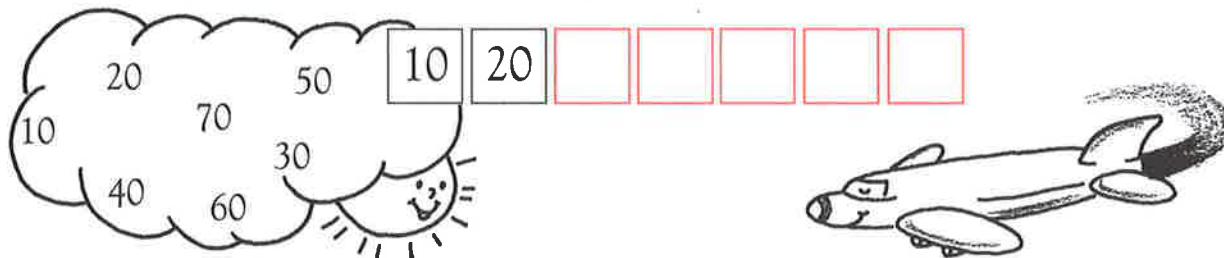
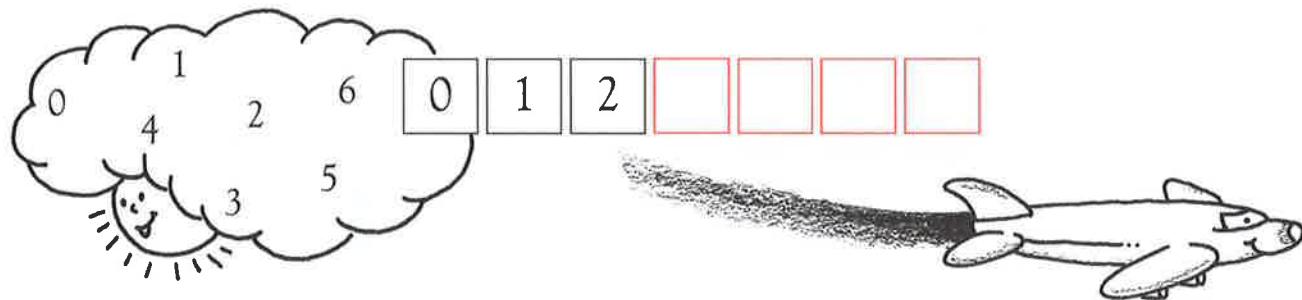
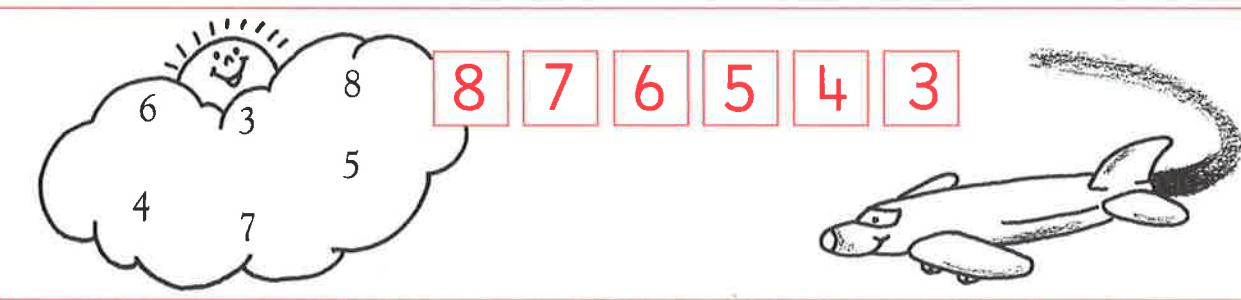
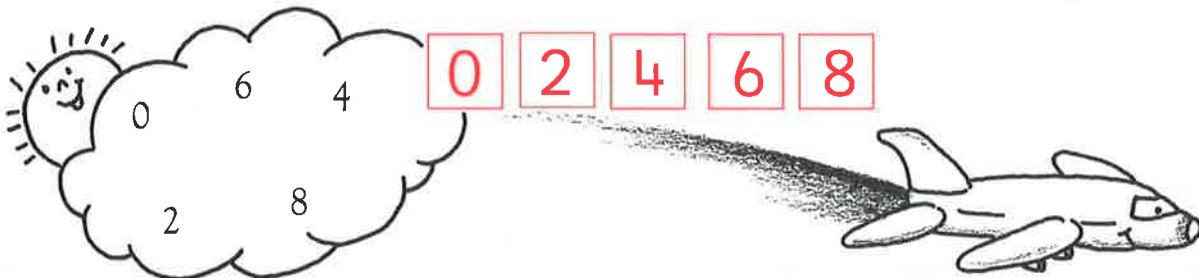
Choose 3 colours. Make your own pattern. Write the positions.





Ordering

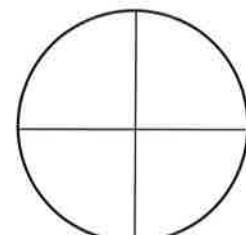
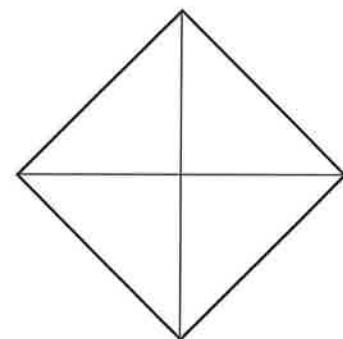
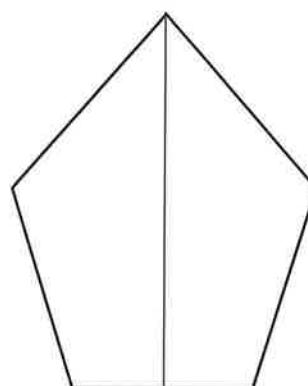
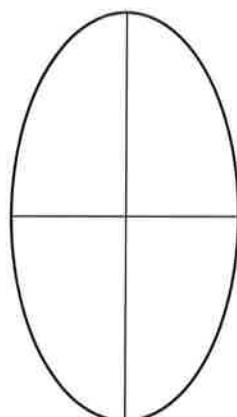
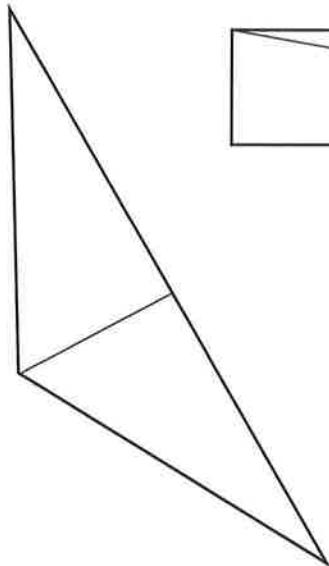
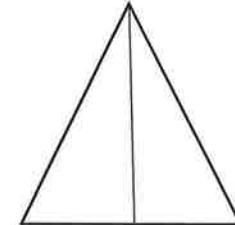
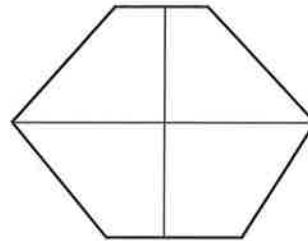
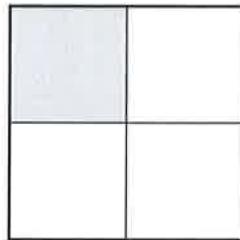
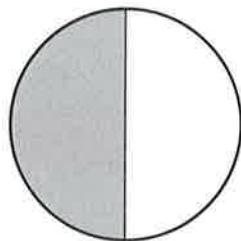
Look for a pattern. Write the numbers in order.



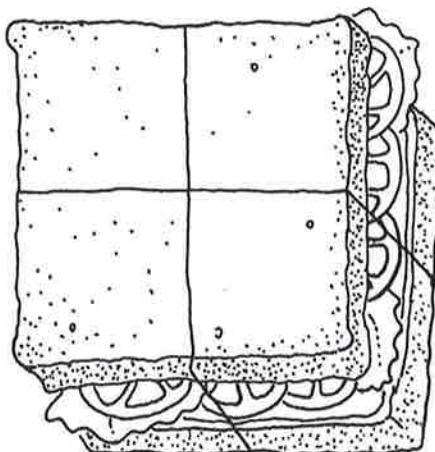
Halves and fourths



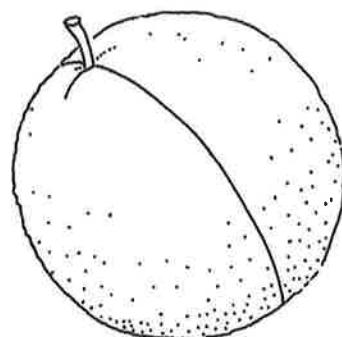
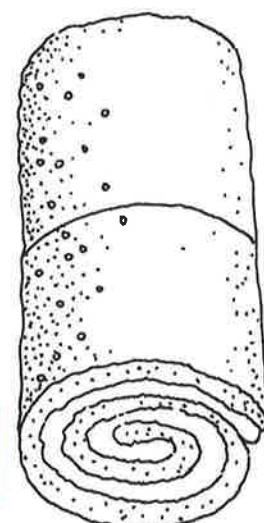
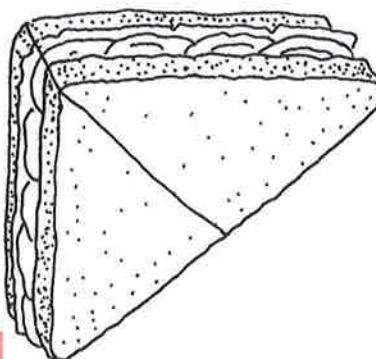
For each shape colour one half red or one fourth yellow.



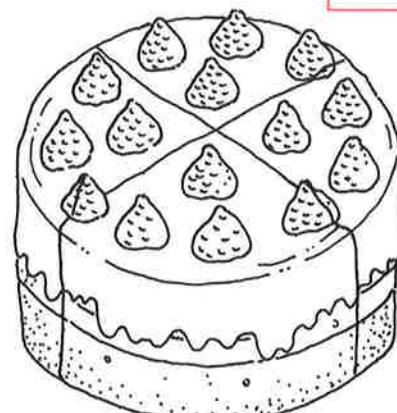
Halves or fourths?



$$\frac{1}{4}$$



$$\frac{1}{2}$$





Place value

What is in the ones place in each number?

24

4

61

1

87

19

65

68

13

42

What is in the tens place in each number?

30

3

94

9

10

69

27

81

18

50

What is in the tens place in each number?

12

1

90

43

58

Circle the number that has a 7 in the tens place.

57

79

70

Circle the number that has a 3 in the ones place.

34

93

30

Circle the number that has a 1 in the tens place.

10

61

21



Expanded form

Write each number as a sum of tens and ones.

$54 = \underline{50} + \underline{4}$

$12 = \underline{\quad}$

$88 = \underline{\quad}$

$47 = \underline{\quad}$

$29 = \underline{\quad}$

$11 = \underline{\quad}$

$75 = \underline{\quad}$

$51 = \underline{\quad}$

$44 = \underline{\quad}$

$62 = \underline{\quad}$

$93 = \underline{\quad}$

$19 = \underline{\quad}$

$25 = \underline{\quad}$

$74 = \underline{\quad}$

$36 = \underline{\quad}$

Write the missing number.

$\underline{80} + 6 = 86$

$90 + \underline{7} = 97$

$\underline{\quad} + 3 = 33$

$\underline{\quad} + 1 = 61$

$10 + \underline{\quad} = 15$

$\underline{\quad} + 8 = 58$

$20 + \underline{\quad} = 22$

$70 + \underline{\quad} = 79$

$\underline{\quad} + 3 = 43$

$90 + \underline{\quad} = 94$



Adding dice

Count the dots on the dice.

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{9}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

Make your own dice problems. You can roll real dice to help.

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

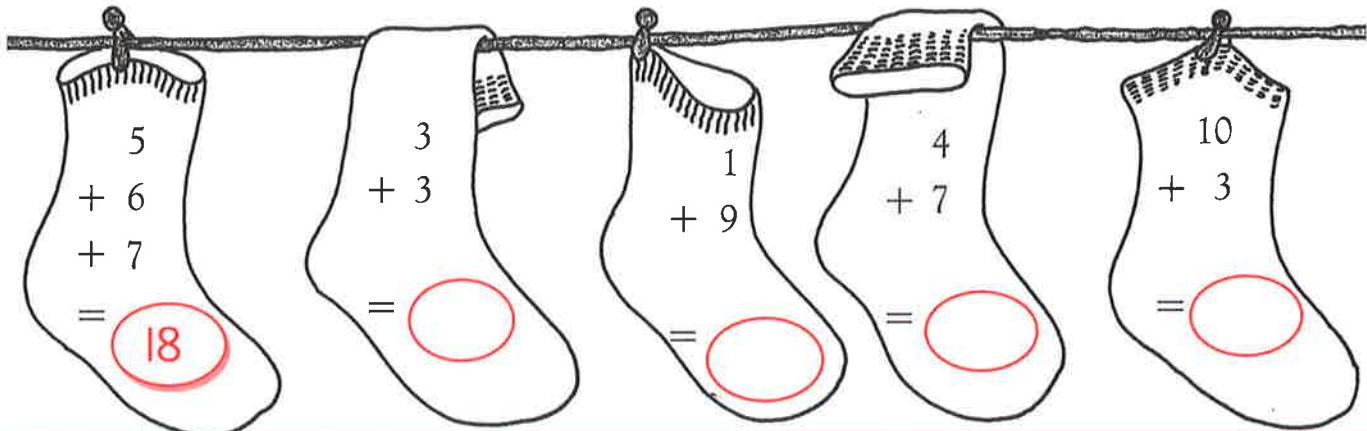
$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = \boxed{\quad}$$

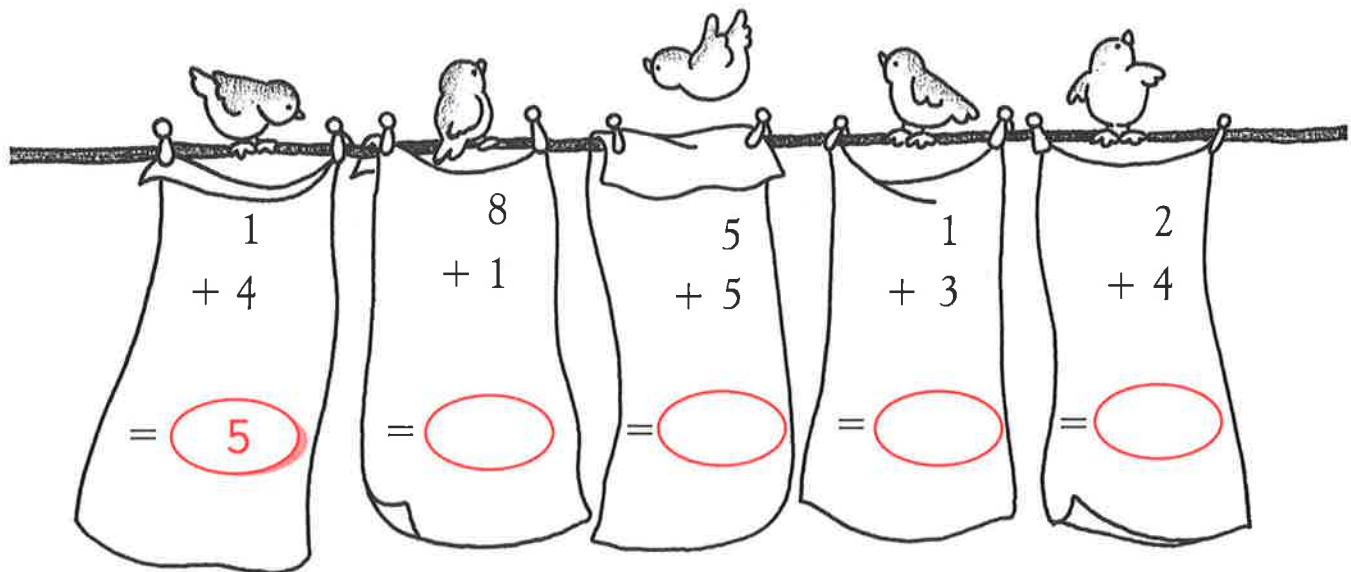


Adding

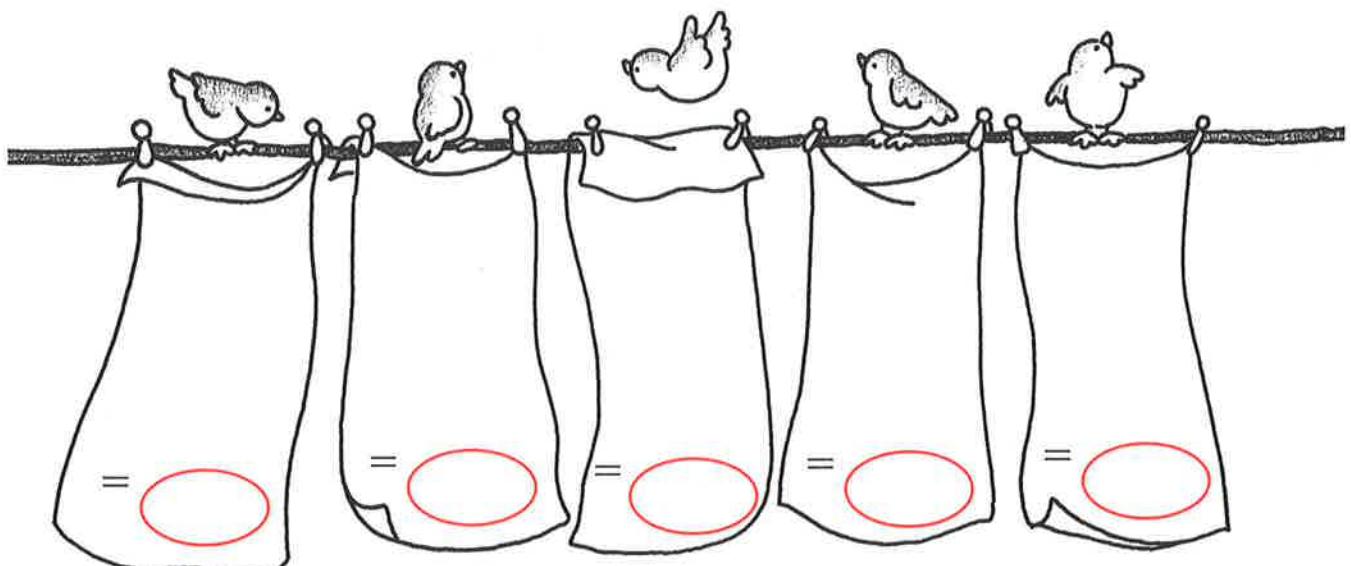
Add up the numbers on the socks.



Add up the numbers on the towels.



Make up your own number towels.





Crossing out

Cross out one type of shape in each box.

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12 - **7** = **5**
(subtract)

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10 - =

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16 - =

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10 - =

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14 - =

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- =

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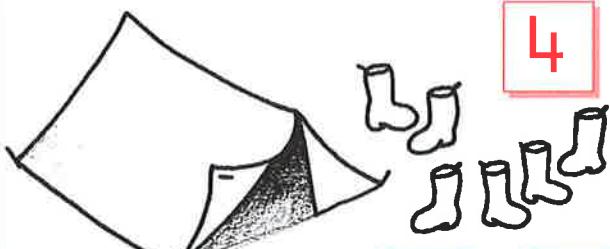
- =



Subtraction

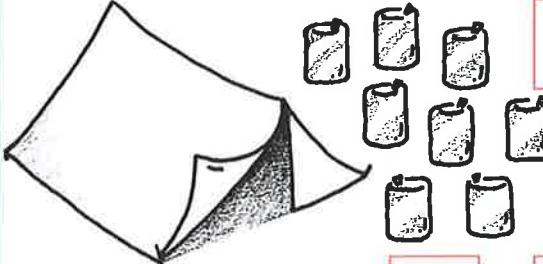
Say and count as you write.

10 altogether. How many in the tent?



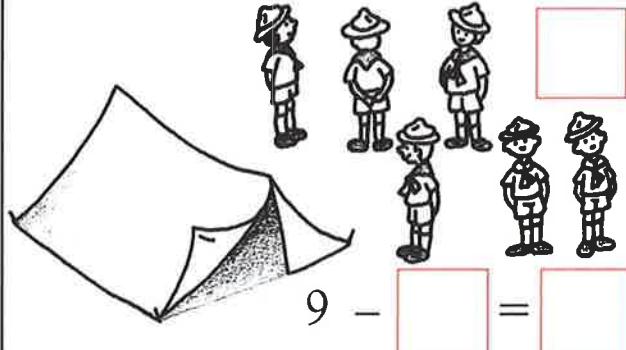
$$10 - \boxed{6} = \boxed{4}$$

18 altogether. How many in the tent?



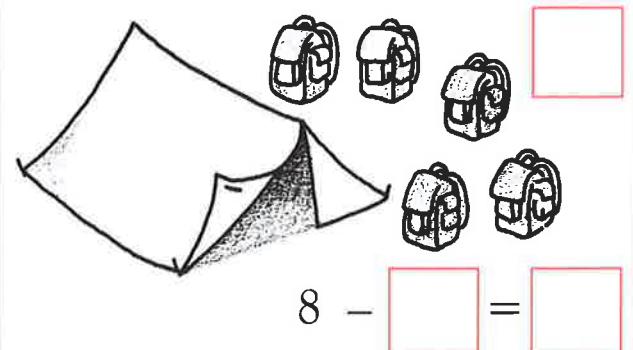
$$18 - \boxed{8} = \boxed{10}$$

9 altogether. How many in the tent?



$$9 - \boxed{} = \boxed{}$$

8 altogether. How many in the tent?



$$8 - \boxed{} = \boxed{}$$

Say as you write.

$$16 - \boxed{4} = 12$$

$$18 - \boxed{} = 7$$

$$12 - \boxed{} = 2$$

$$15 - \boxed{} = 14$$

$$19 - \boxed{} = 5$$

$$15 - \boxed{} = 9$$

$$9 - \boxed{} = 4$$

$$17 - \boxed{} = 11$$

$$11 - \boxed{} = 10$$

Say as you write.

$$15 - 5 = \boxed{10}$$

$$10 - \boxed{} = 0$$

$$16 - 0 = \boxed{}$$

$$13 - 10 = \boxed{}$$

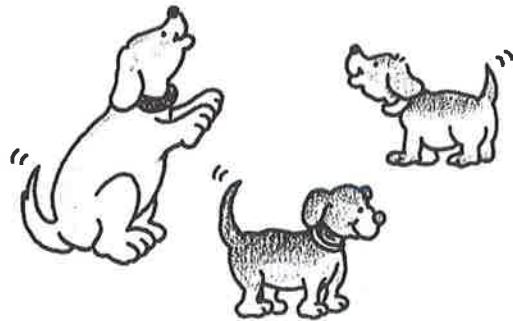
$$20 - \boxed{} = 0$$

$$8 - 8 = \boxed{}$$



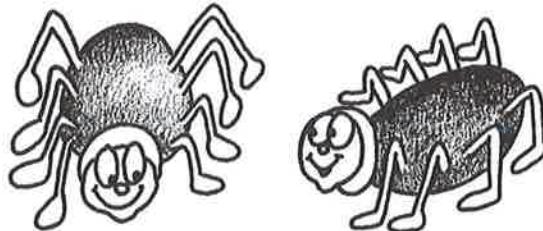
Sets of

Say and count as you write.



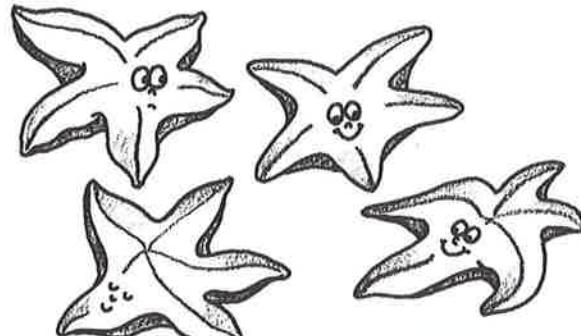
$$4 + 4 + 4 = \boxed{12} \text{ legs}$$

3 sets of $\boxed{4} \longrightarrow \boxed{12}$



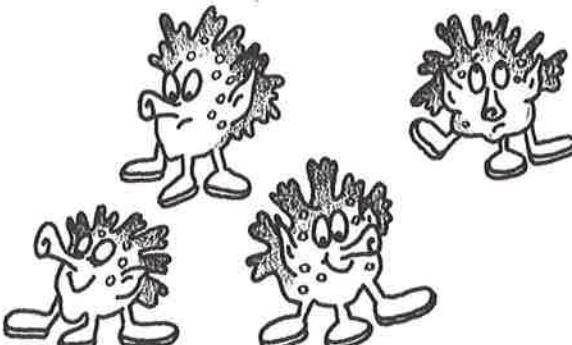
$$8 + 8 = \boxed{} \text{ legs}$$

2 sets of $\boxed{8} \longrightarrow \boxed{}$



$$5 + 5 + 5 + 5 = \boxed{} \text{ legs}$$

$\boxed{}$ sets of $\boxed{} \longrightarrow \boxed{}$



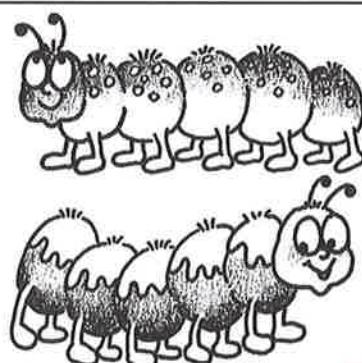
$$3 + 3 + 3 + 3 = \boxed{} \text{ legs}$$

$\boxed{}$ sets of $\boxed{} \longrightarrow \boxed{}$



$$2 + 2 + 2 = \boxed{} \text{ legs}$$

$\boxed{}$ sets of $\boxed{} \longrightarrow \boxed{}$



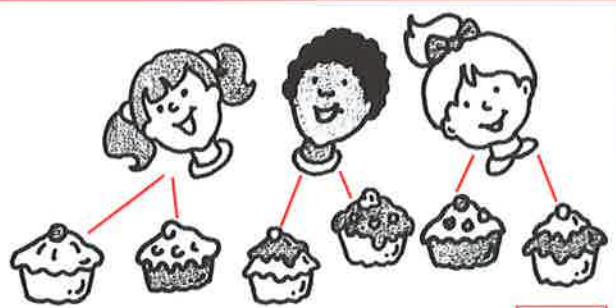
$$10 + 10 = \boxed{} \text{ legs}$$

$\boxed{}$ sets of $\boxed{} \longrightarrow \boxed{}$

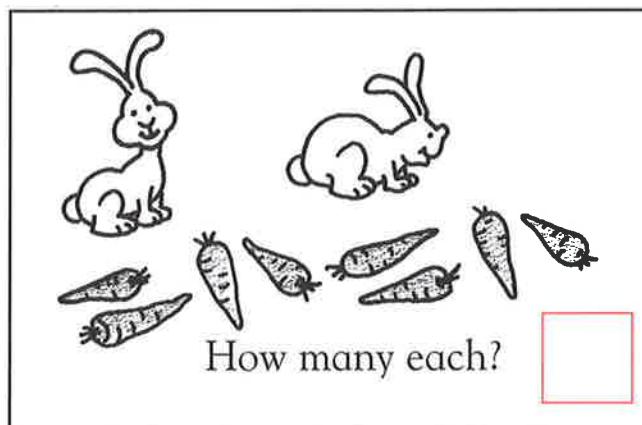
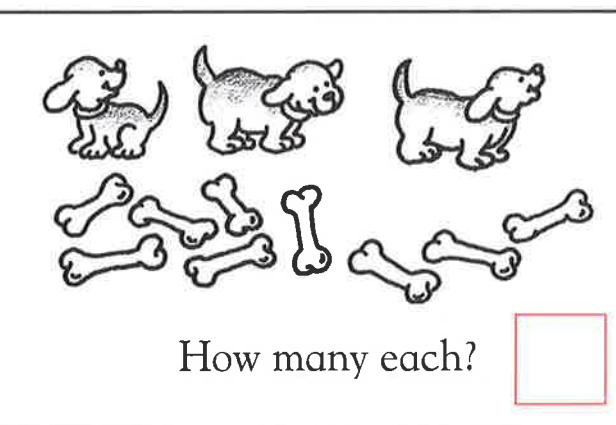
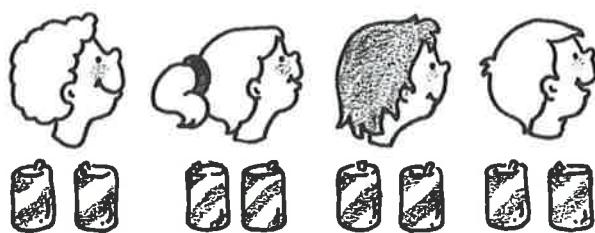


Sharing

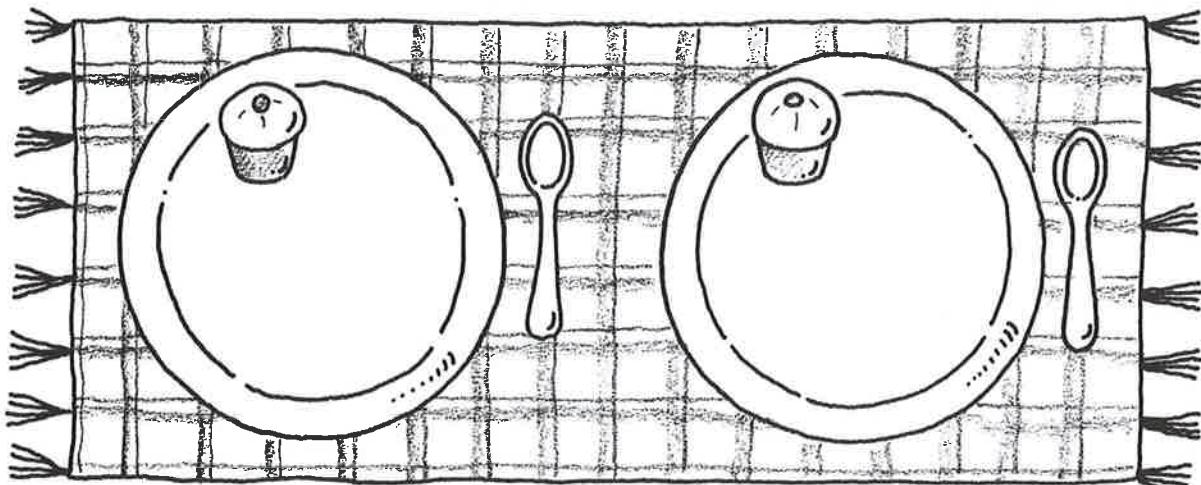
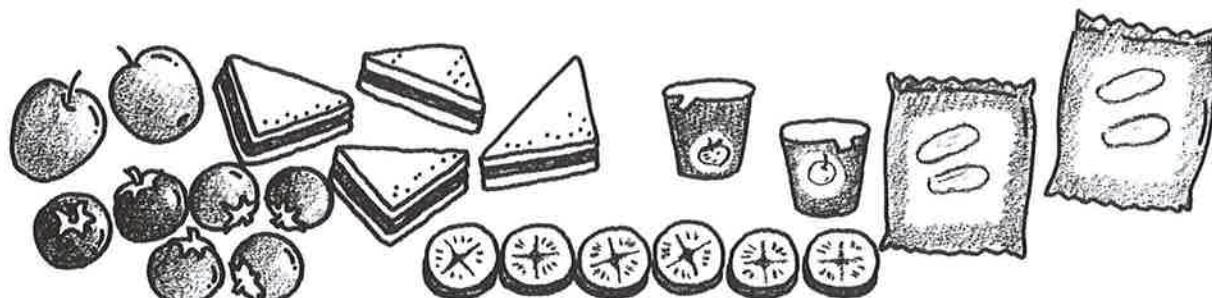
Share the food equally.



2



Draw lines to share the picnic.





Addition properties

Write the missing number.

$6 + 0 = 6$

$0 + 6 = 6$

$\square + 7 = 17$

$\square + 10 = 17$

$11 + \square = 11$

$\square + 11 = 11$

$4 + \square = 12$

$8 + \square = 12$

$13 + \square = 19$

$\square + 13 = 19$

$\square + 3 = 3$

$3 + \square = 3$

Circle the addition fact that has the same sum as $2 + 3$.

$1 + 5$

$3 + 2$

$4 + 2$

Circle the addition fact that has the same sum as $5 + 8$.

$8 + 5$

$6 + 6$

$3 + 9$

Circle the addition fact that has the same sum as $1 + 7$.

$8 + 2$

$2 + 5$

$7 + 1$

Circle the addition fact that has the same sum as $10 + 6$.

$7 + 4$

$9 + 9$

$6 + 10$

Circle the addition fact that has the same sum as $4 + 2$.

$1 + 6$

$2 + 4$

$3 + 2$

Circle the addition fact that has the same sum as $9 + 5$.

$5 + 9$

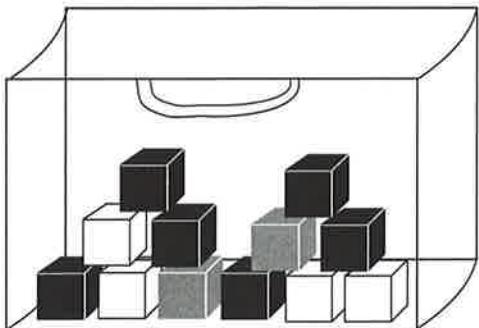
$7 + 6$

$10 + 5$

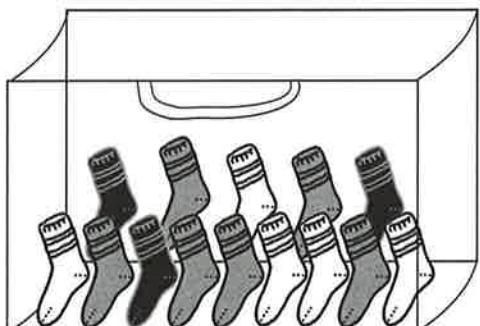


Most and least likely

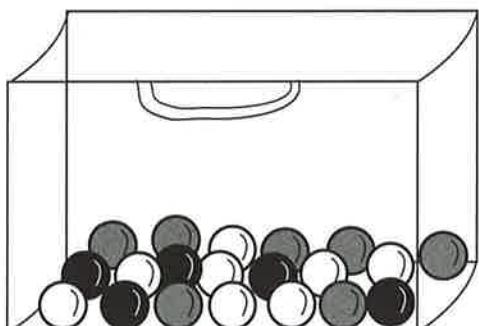
What are you most likely to pick out of each bag? Circle the answer.



- a black cube
- a grey cube
- a white cube

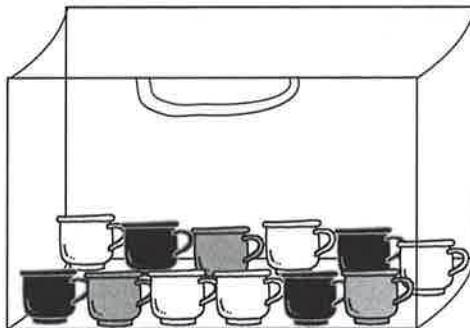


- a black sock
- a grey sock
- a white sock

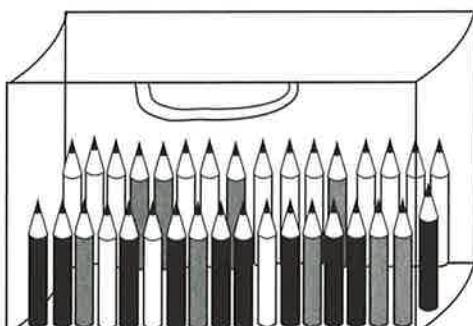


- a black marble
- a grey marble
- a white marble

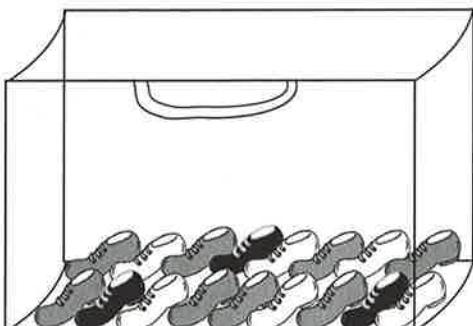
What are you least likely to pick out of each bag? Circle the answer.



- a black tea cup
- a grey tea cup
- a white tea cup



- a black pencil
- a grey pencil
- a white pencil



- a black boot
- a grey boot
- a white boot



Days and seasons

Days of the week

Can you write them in order?

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Wednesday Thursday Fr

Saturday Sunday M

Thursday Friday S

Yesterday and tomorrow

| yesterday | today | tomorrow |
|-----------|-----------|----------|
| Tuesday | Wednesday | |
| | Monday | |
| | Thursday | |
| | Sunday | |

Seasons of the year

Draw lines to connect each picture to a season.

Spring



Summer



Autumn



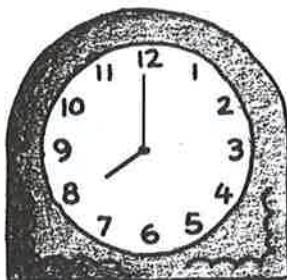
Winter



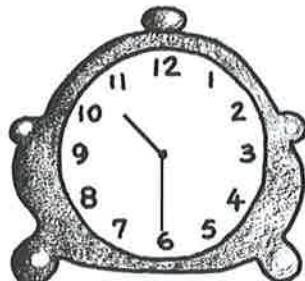


Using clocks

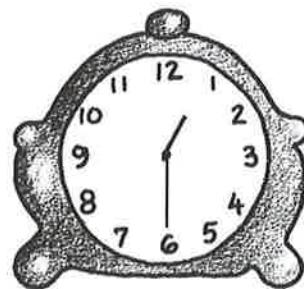
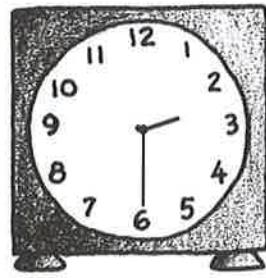
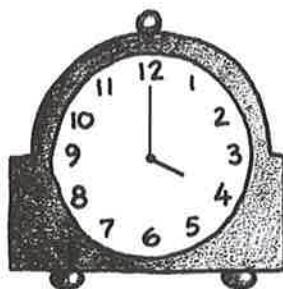
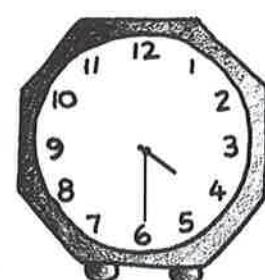
Write the time.



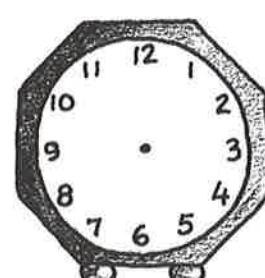
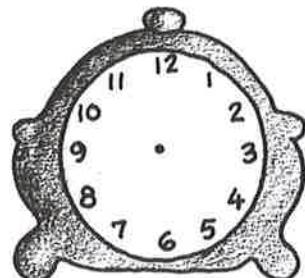
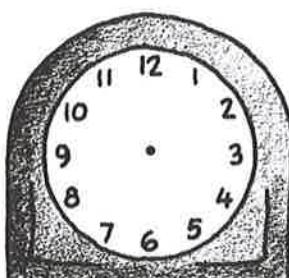
8 o'clock



half past 10



Draw the hands.

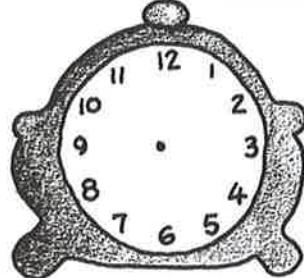
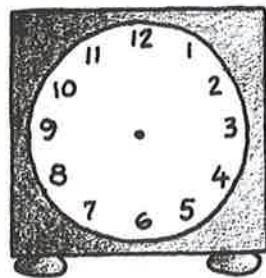
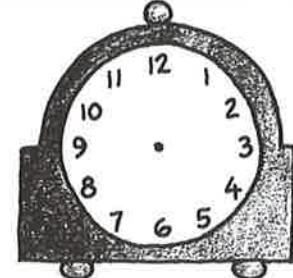
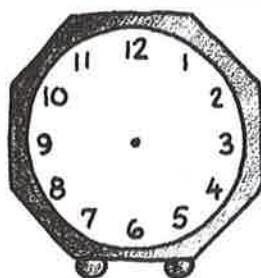


half past 7

1 o'clock

half past 9

half past 6



half past 1

11 o'clock

half past 8

2 o'clock



Favourite fruits

This table shows the favourite fruits of a class of children.

| | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|
| grapes | | | | | | | | |
| strawberries | | | | | | | | |
| bananas | | | | | | | | |
| cherries | | | | | | | | |
| oranges | | | | | | | | |
| apples | | | | | | | | |

Number of children

How many preferred each fruit?



3



Which fruit? Draw.

5



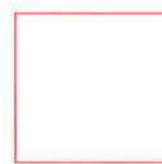
8



1



3



Say and draw.

The fruit
chosen most often is



The fruit
chosen least often is



More children chose



than



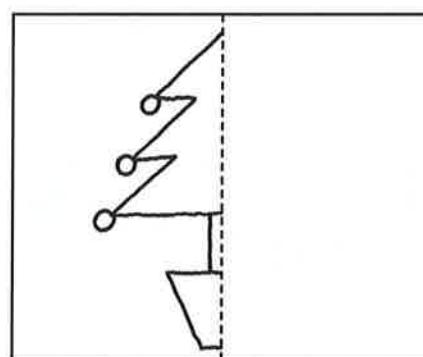
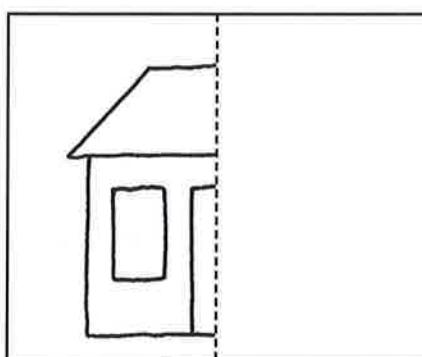
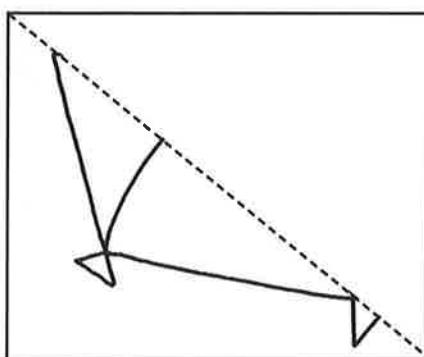
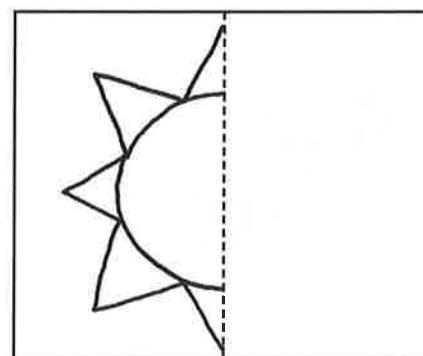
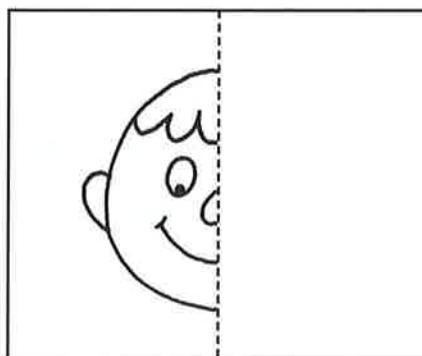
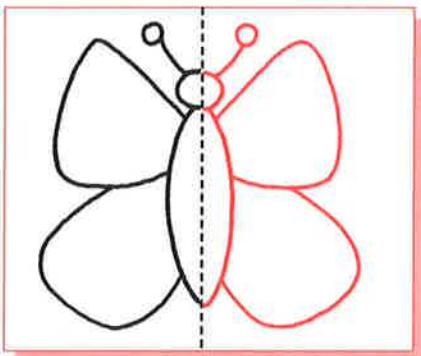
My favourite is



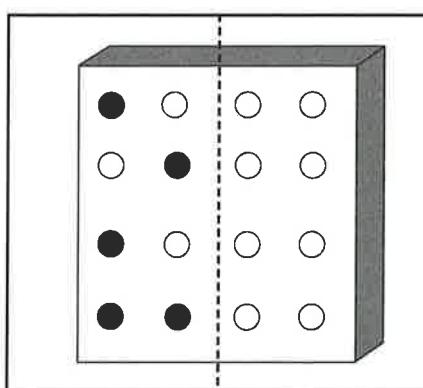
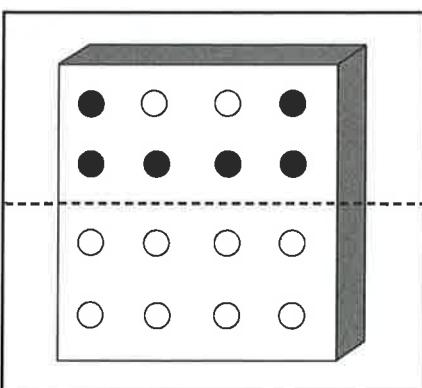
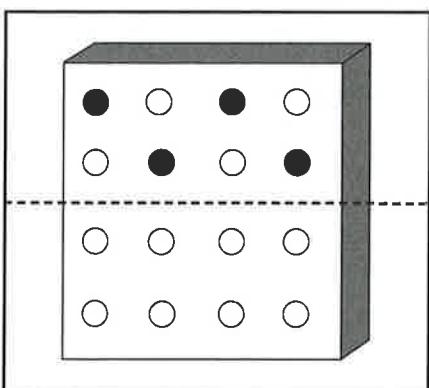
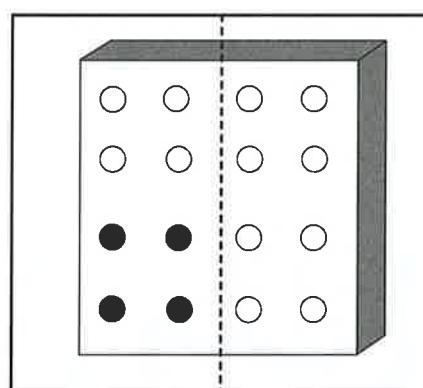
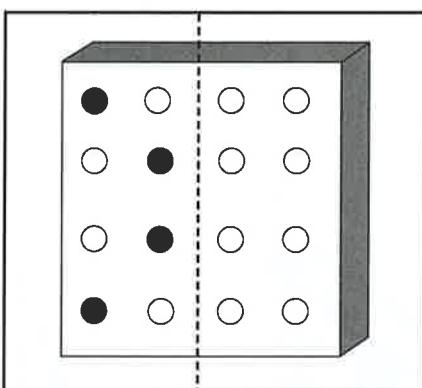
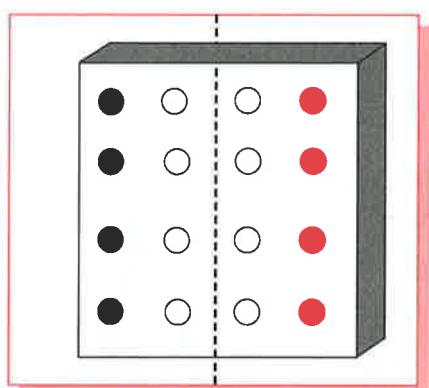
Draw the other half



Finish the pictures.

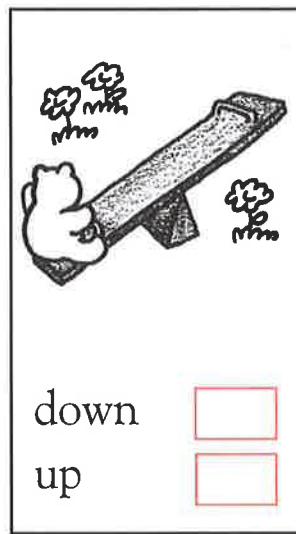
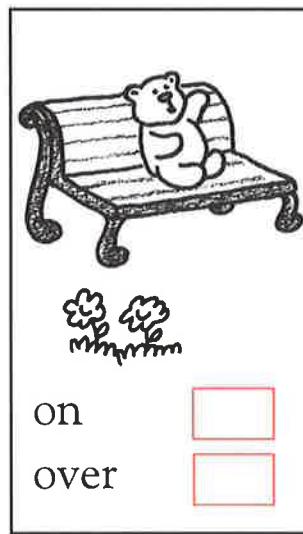
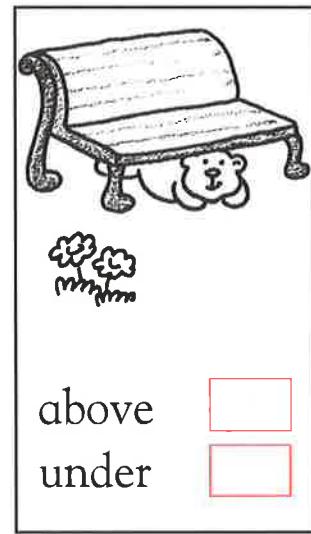
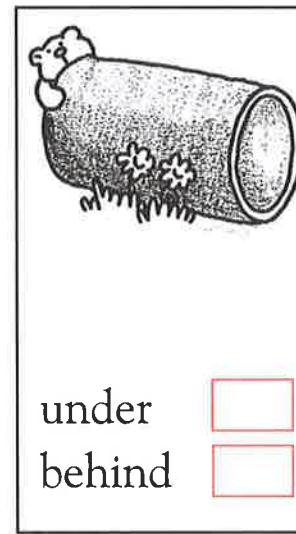
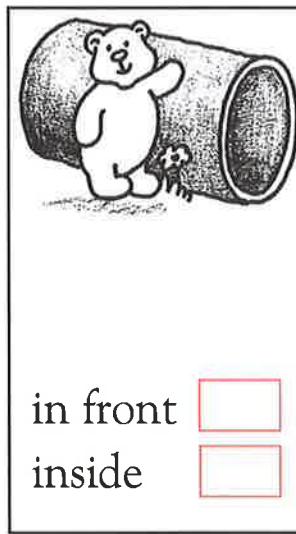
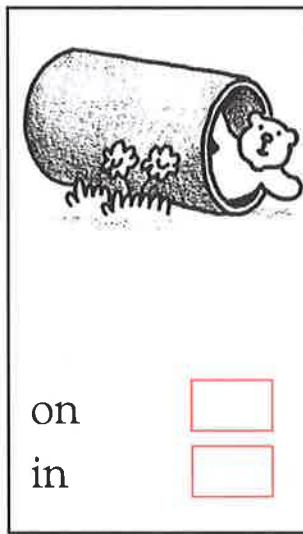
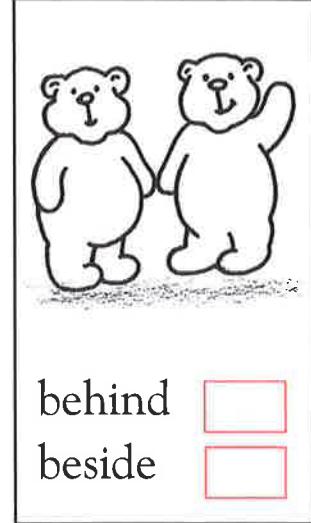
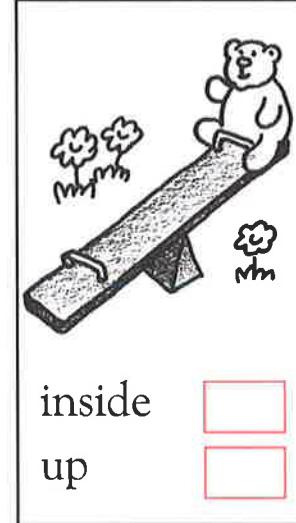
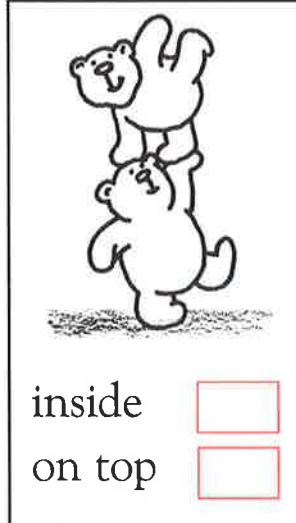


Make the two halves of the pegboards match. Colour them in.





Where's the bear?





Numbers

Write the numbers.

0 0 0 0

1 1 1 1

2 2 2 2

3 3 3 3

4 4 4 4

5 5 5 5

6 6 6 6

7 7 7 7

8 8 8 8

9 9 9 9

Continue the pattern.

1 5 7 1 5 7

3 6 9 3 6 9

2 4 8 2 4 8



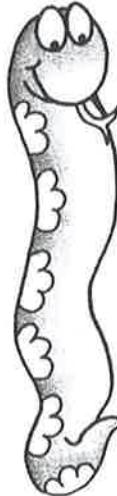
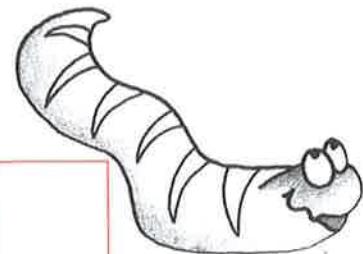
Numbers

Which numbers are the snakes hiding?
Say the numbers as you write the answers.

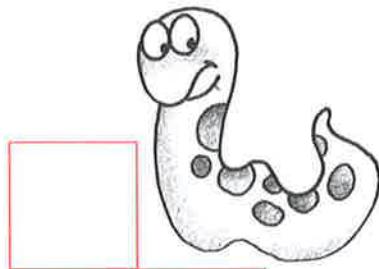
| | | | | | | | | |
|----|----|----|----|----|----|----|----|-------|
| 1 | 2 | 3 | 4 | 5 | 3 | 7 | 8 | 8 |
| 11 | 11 | | 14 | 15 | | 17 | 19 | 20 |
| 21 | 22 | 22 | 24 | 25 | | 27 | 28 | 30 |
| | 32 | 33 | 34 | 35 | 35 | 37 | 38 | 38 |
| 41 | 41 | | 44 | 45 | 46 | 46 | | 49 50 |



| | |
|---|----|
| 9 | 10 |
|---|----|



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Addition



How many are there in all? Colour them in.

$$\triangle \triangle \triangle + \triangle \triangle \triangle = \textcolor{red}{\triangle} \textcolor{red}{\triangle} \textcolor{red}{\triangle} \textcolor{red}{\triangle} \textcolor{red}{\triangle} \textcolor{red}{\triangle} \triangle \triangle$$

$$\circ \circ \circ + \circ \circ = \circ \circ \circ \circ \circ \circ \circ \circ \circ$$

$$\square \square + \square \square = \square \square \square \square \square \square \square$$

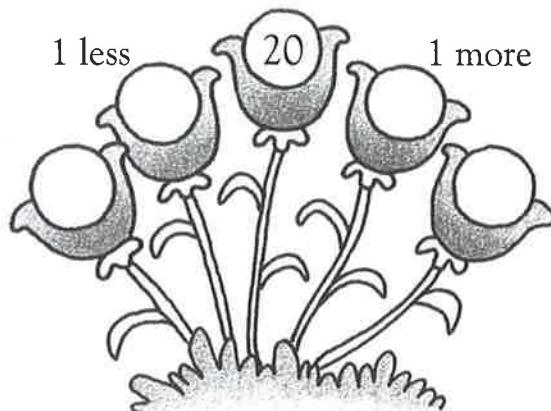
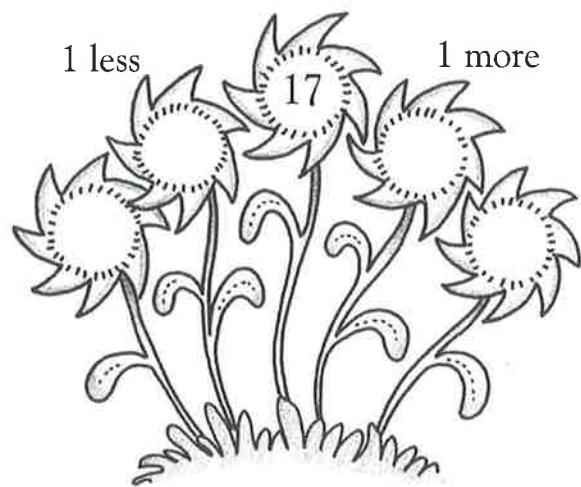
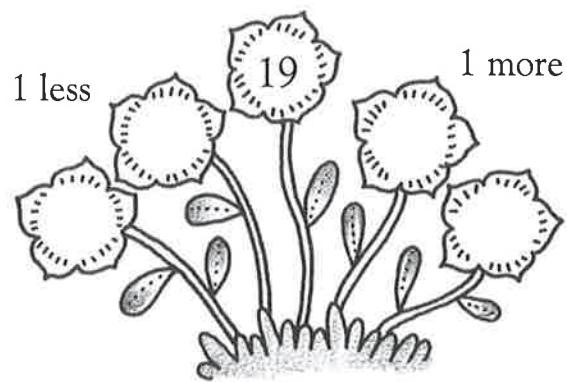
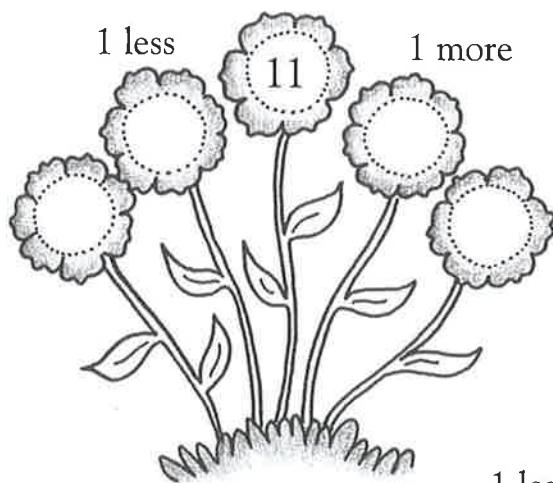
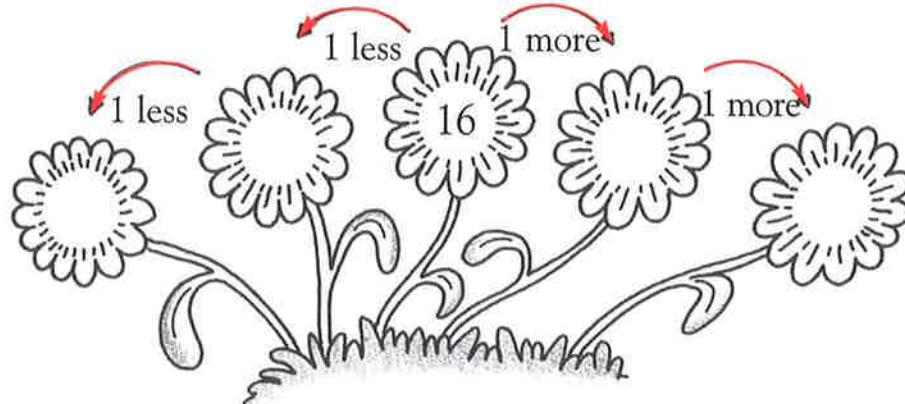
$$\begin{array}{c} \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \end{array} + \begin{array}{c} \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \end{array} = \begin{array}{c} \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \\ \text{\scriptsize crescent moon} \end{array}$$

$$\begin{array}{c} \text{\scriptsize fish} \\ \text{\scriptsize fish} \\ \text{\scriptsize fish} \\ \text{\scriptsize fish} \\ \text{\scriptsize fish} \end{array} + \begin{array}{c} \text{\scriptsize fish} \\ \text{\scriptsize fish} \\ \text{\scriptsize fish} \end{array} = \begin{array}{c} \text{\scriptsize fish} \\ \text{\scriptsize fish} \end{array}$$



1 less or 1 more

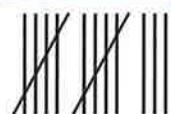
Count, draw, and write.



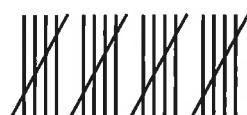
Tallies



Which tally marks show 13?



Which tally marks show 15?



Which tally marks show 17?



Which tally marks show 23?





Using a table

Use the table to answer the questions.
Circle the correct answer.

Glasses of water

| Name | Saturday | Sunday |
|---------|----------|--------|
| Sasha | 4 | 6 |
| William | 6 | 4 |
| Anita | 6 | 8 |
| Nabi | 5 | 7 |

Who drank less water on Saturday?

Sasha Nabi

How many glasses of water did Anita drink
on Sunday?

4 8 7

Who drank 7 glasses of water on Sunday?

Nabi Anita

Who drank a total of 10 glasses of water?

Nabi William

Who drank the most glasses of water?

Nabi Anita

Who drank less water on Sunday?

Anita Nabi

How many glasses of water did Sasha and
William together drink on Saturday?

10 12



Patterns of 2, 5, and 10

Count, colour, and find a pattern.

Count by 2s and colour them red.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Count by 5s and colour them purple.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Count by 10s and colour them yellow.

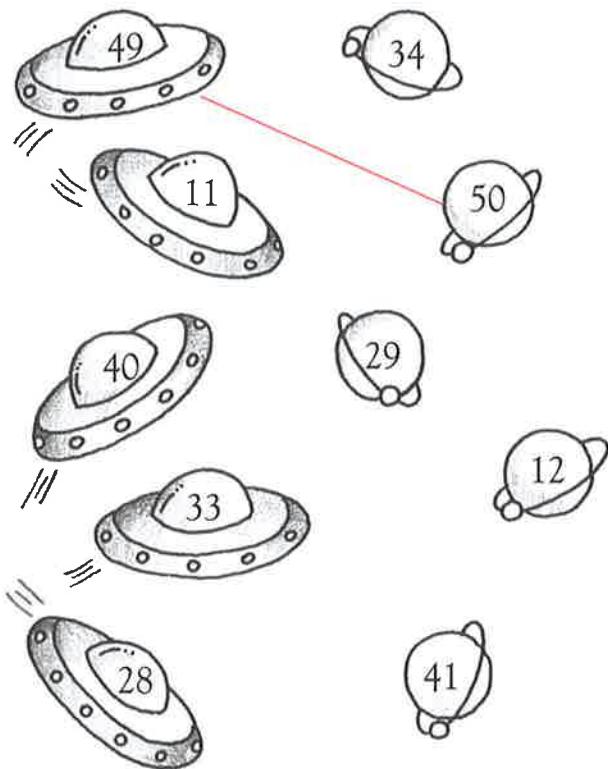
| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |



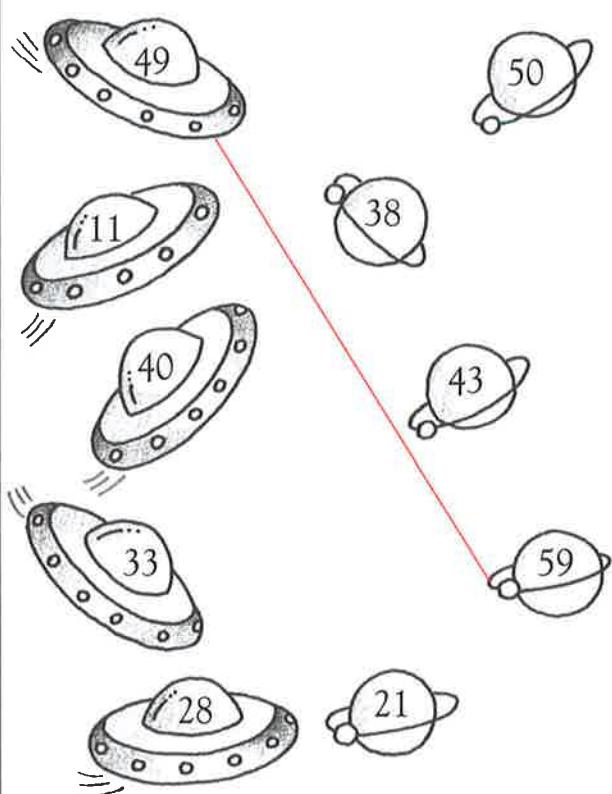
More or less

Connect the spaceships to the planets and the rockets to the stars.

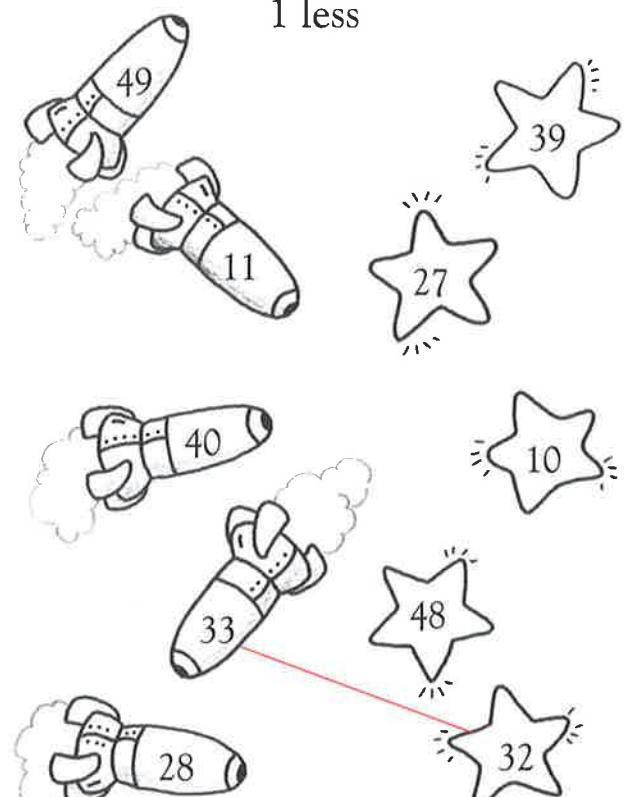
1 more



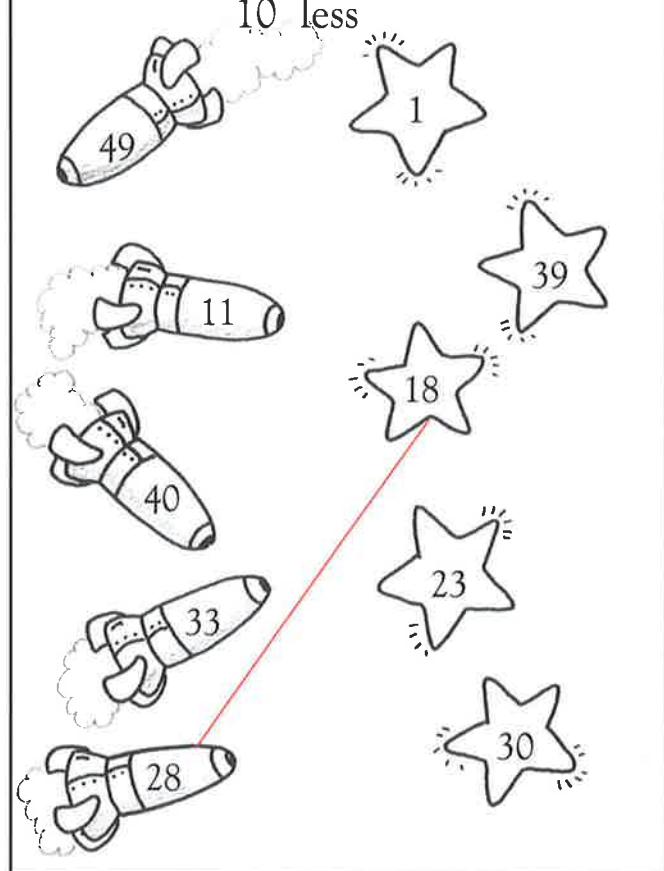
10 more



1 less



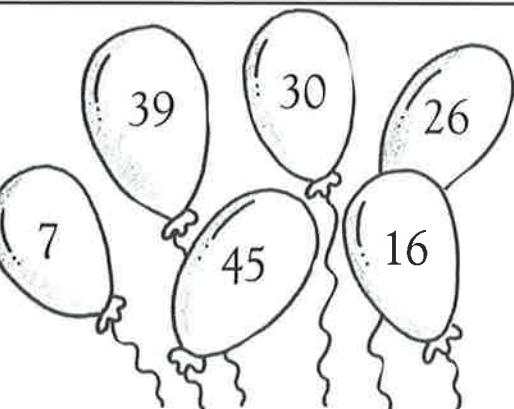
10 less





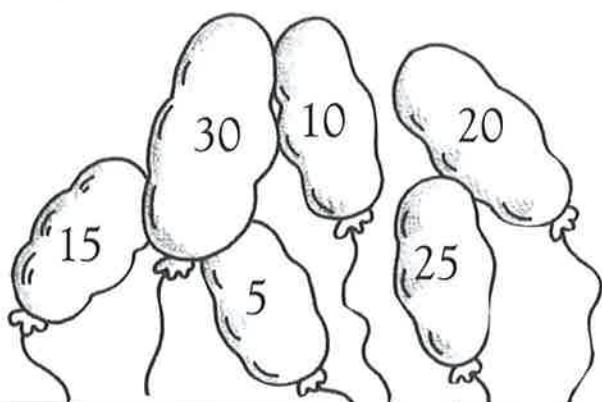
Ordering

Write the numbers in order.



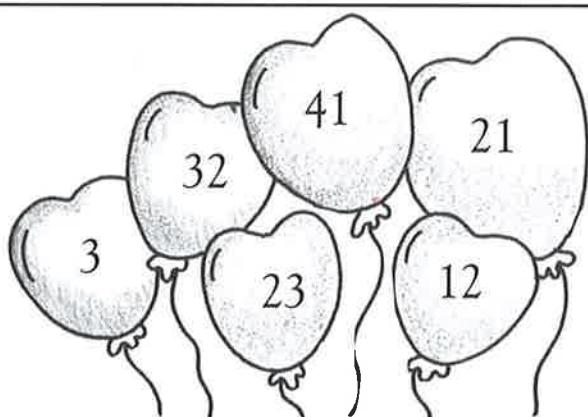
smallest first

| | | | | | |
|---|----|----|----------------------|----------------------|----------------------|
| 7 | 16 | 26 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|---|----|----|----------------------|----------------------|----------------------|



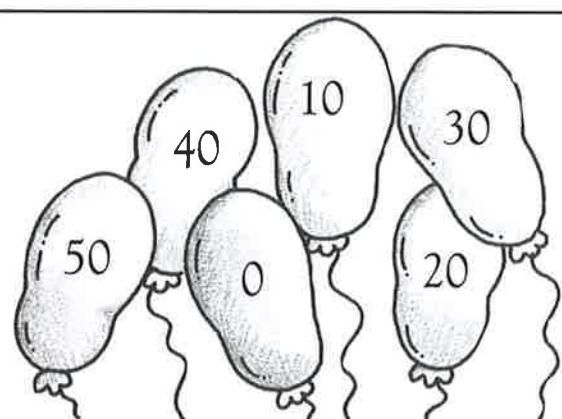
greatest first

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|



smallest first

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|



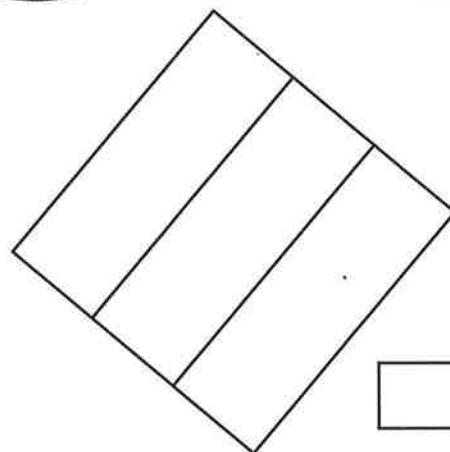
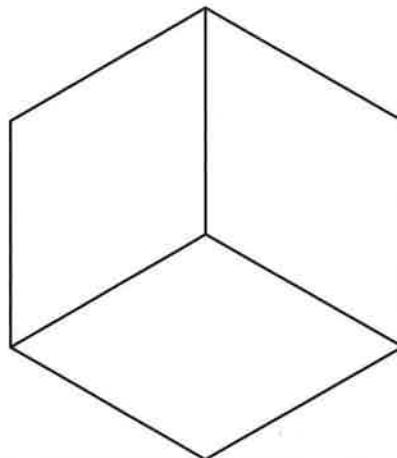
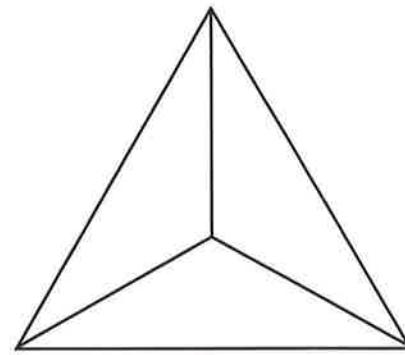
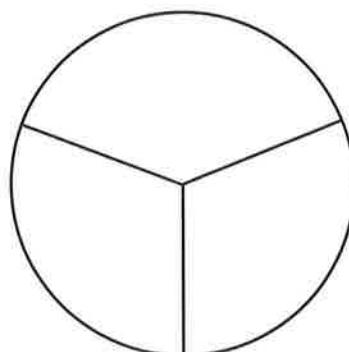
greatest first

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

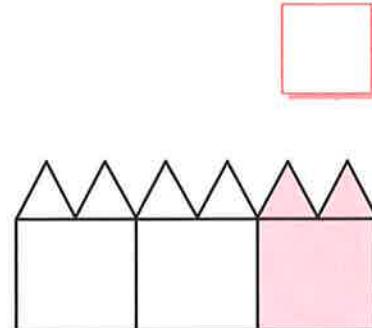
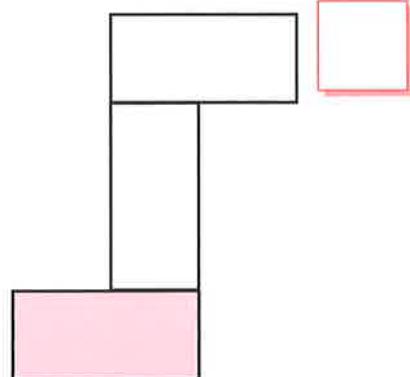
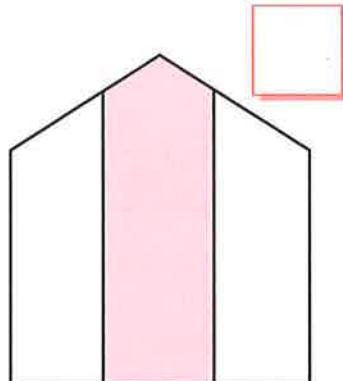
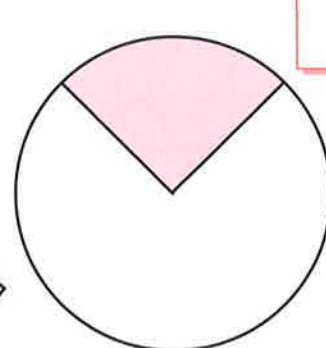
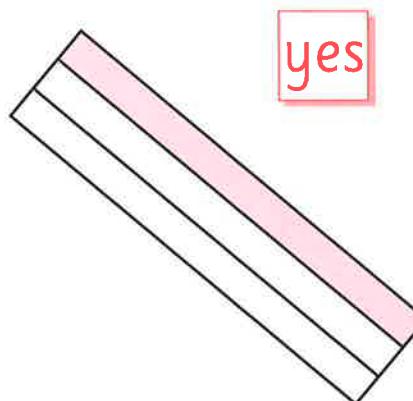
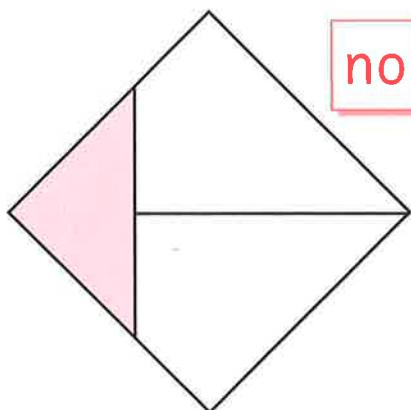


Fractions of shapes

Colour one third ($\frac{1}{3}$).



Is it $\frac{1}{3}$? Yes or no.





Addition

How many are there in all? Colour them in.

$$\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}} + \textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}} = \textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{red}{\textcircled{\small{1}}}\textcolor{white}{\textcircled{\small{1}}}$$

$$\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}} + \textcircled{\small{1}}\textcircled{\small{1}} = \textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}\textcircled{\small{1}}$$

$$\text{baseball}\text{ baseball} + \text{baseball}\text{ baseball} = \text{baseball}\text{ baseball}\text{ baseball}\text{ baseball}$$

$$\text{cube}\text{ cube} + \text{cube}\text{ cube} = \text{cube}\text{ cube}\text{ cube}\text{ cube}$$

$$\text{fish}\text{ fish}\text{ fish}\text{ fish} + \text{fish} = \text{fish}\text{ fish}\text{ fish}\text{ fish}\text{ fish}\text{ fish}\text{ fish}\text{ fish}$$



Adding coins

Use three coins each time.
How many different totals can you make?



$$10\text{¢} + 1\text{¢} + 1\text{¢} = 12\text{¢}$$

$$25\text{¢} + 5\text{¢} + 1\text{¢} = 31\text{¢}$$



Addition grid

Draw rings around the pairs of numbers that add up to 20.

| | | | | | | |
|----|----|----|----|----|----|----|
| 15 | 5 | 3 | 10 | 10 | 4 | 19 |
| 8 | 6 | 20 | 0 | 9 | 1 | 10 |
| 12 | 13 | 7 | 12 | 0 | 16 | 1 |
| 4 | 5 | 10 | 16 | 4 | 5 | 10 |
| 9 | 2 | 18 | 7 | 20 | 3 | 10 |
| 11 | 3 | 3 | 1 | 0 | 11 | 9 |
| 17 | 1 | 1 | 19 | 3 | 18 | 11 |



Doubles

Write the missing numbers.

3 →
 5 →
 8 →

Double it

6
10
16

6 →
10 →
1 →

Double it

2 →
9 →
4 →

Double it

7 →
11 →
0 →

Double it

What has been doubled? Write the missing number.

Double **4** is 8

Double **8** is 16

Double **9** is 18

Double **10** is 20

Double **7** is 14

Double **3** is 6

Double **6** is 12

Double **5** is 10

Double **2** is 4

Double **1** is 2



Fact families

Complete each fact family.

4, 5, 9

$$4 + 5 = 9$$
$$5 + 4 = \boxed{9}$$
$$9 - 4 = 5$$
$$9 - 5 = \boxed{4}$$

3, 4, 7

$$3 + 4 = 7$$
$$4 + 3 = \boxed{}$$
$$7 - 3 = 4$$
$$7 - 4 = \boxed{}$$

2, 4, 6

$$2 + 4 = 6$$
$$4 + 2 = \boxed{}$$
$$6 - 4 = 2$$
$$6 - 2 = \boxed{}$$

3, 5, 8

$$3 + 5 = 8$$
$$5 + 3 = \boxed{}$$
$$8 - 3 = 5$$
$$8 - 5 = \boxed{}$$



Addition

Add to find each sum.

$$\begin{array}{r} 13 \\ + 4 \\ \hline 17 \end{array}$$

Add to find each sum.

$$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 7 \\ \hline \end{array}$$

Subtraction



Subtract to find the difference.

$$\begin{array}{r} 14 \\ - 3 \\ \hline 11 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 1 \\ \hline \end{array}$$



Subtraction

Subtract to find the difference.

$$\begin{array}{r} 80 \\ -30 \\ \hline 50 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 30 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ -40 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -40 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -40 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -70 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ -50 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -40 \\ \hline \end{array}$$

Subtraction



Subtract to find the difference.

$$\begin{array}{r} 87 \\ -34 \\ \hline 53 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 39 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ -17 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ -46 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ -53 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ -79 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ -70 \\ \hline \end{array}$$

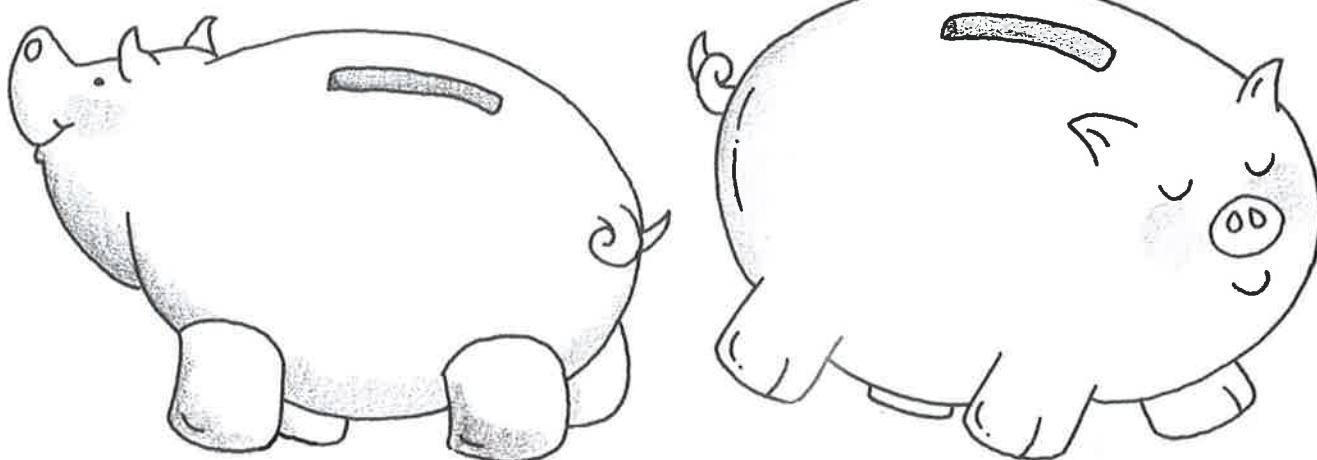
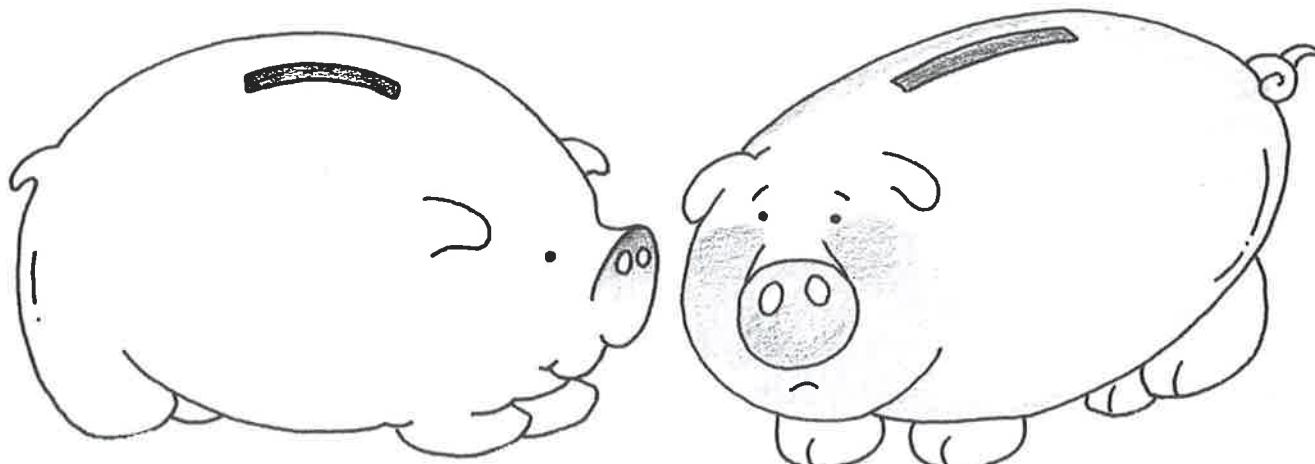
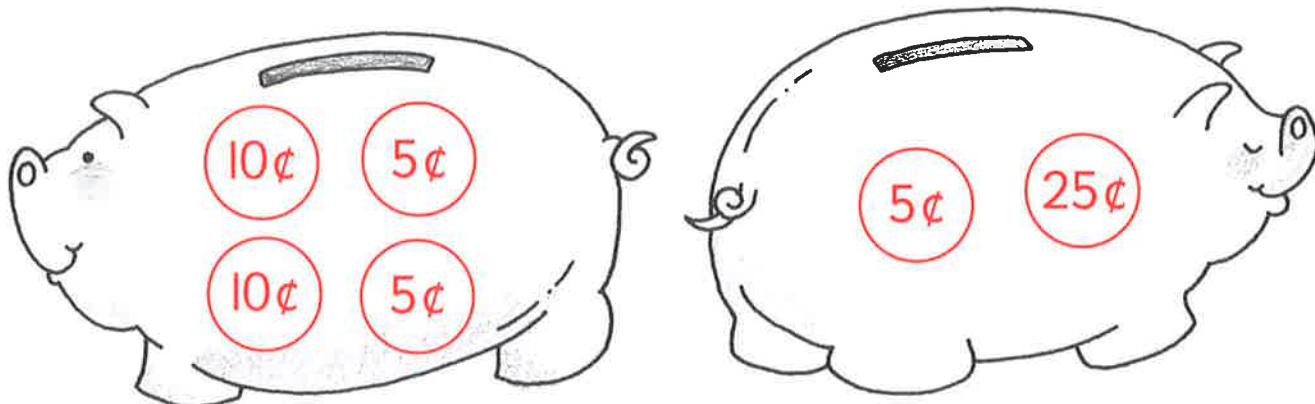
$$\begin{array}{r} 69 \\ -69 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ -46 \\ \hline \end{array}$$

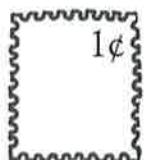


Real-life problems

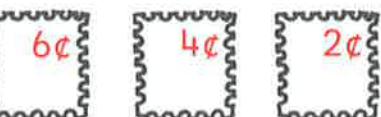
All the piggy banks need 30¢. Draw different coins in each one.
You can use any coin more than once.



Real-life problems



Draw the stamps on the letters.
You can use any stamp more than once.

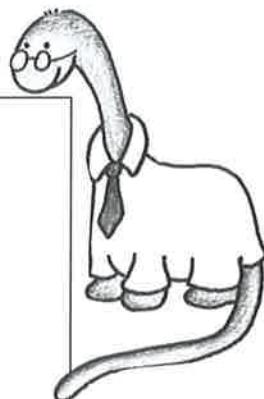


Ms. Heather Hedgehog
1 The Leaf Pile
Snowdrop Corner
Garden City

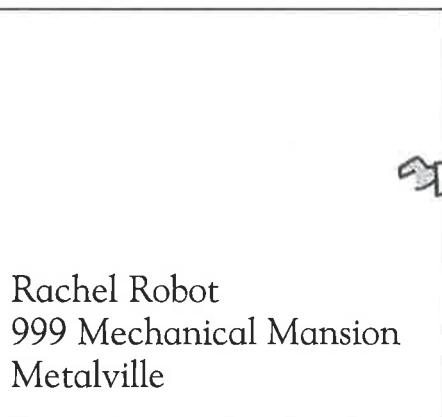


12¢

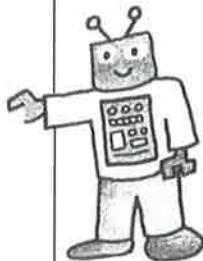
Doctor Dilly Dinosaur
6 The Swamp
Mud Town



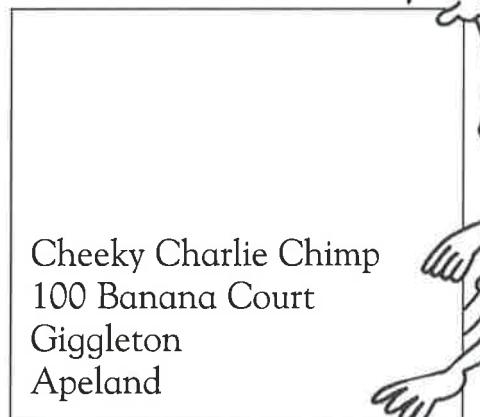
20¢



Rachel Robot
999 Mechanical Mansion
Metalville



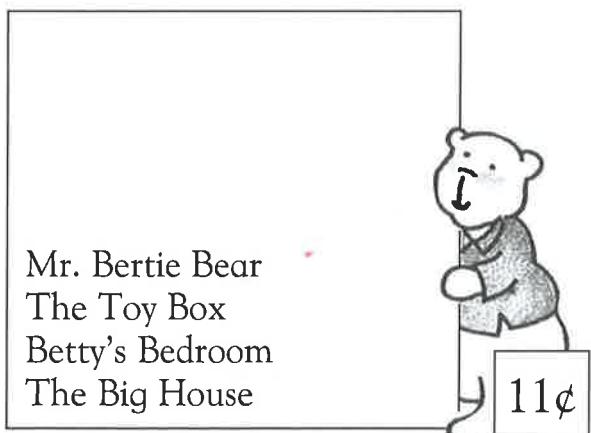
10¢



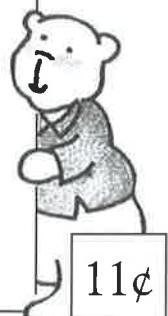
Cheeky Charlie Chimp
100 Banana Court
Giggleton
Apeland



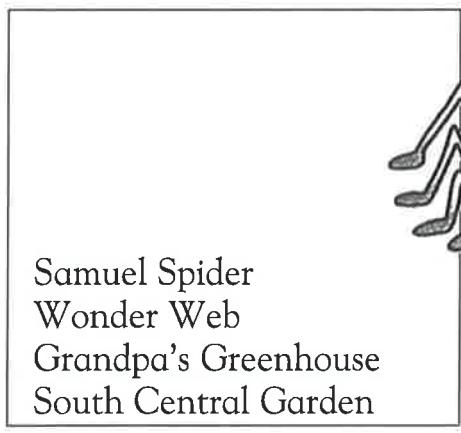
18¢



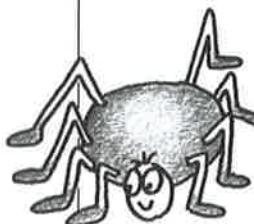
Mr. Bertie Bear
The Toy Box
Betty's Bedroom
The Big House



11¢



Samuel Spider
Wonder Web
Grandpa's Greenhouse
South Central Garden



6¢



Subtraction tables

Finish each table.

| | | | | |
|----|---|---|---|----|
| - | 2 | 3 | 5 | 10 |
| 11 | 9 | 8 | | |
| 15 | 3 | | | |
| 20 | | | | |

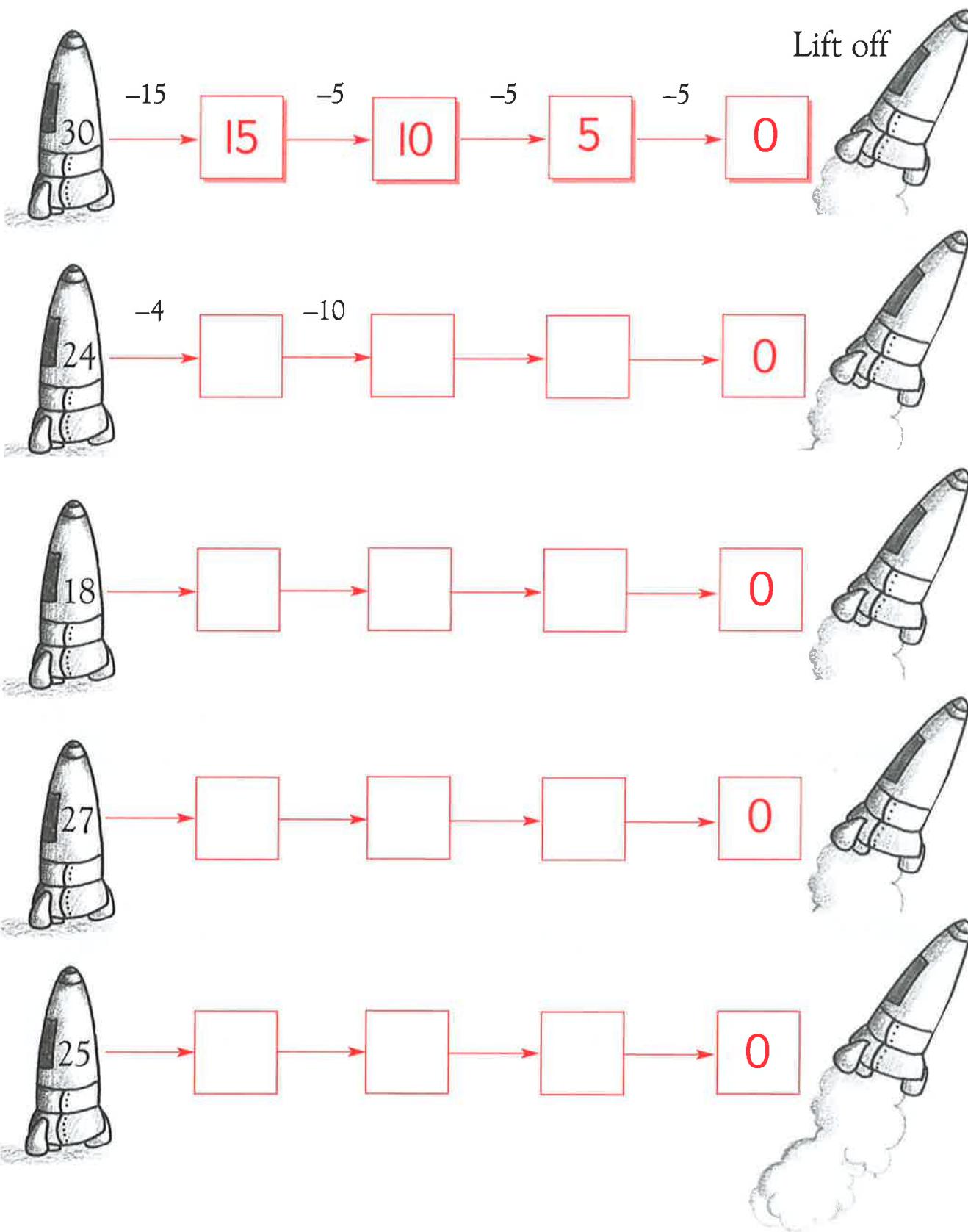
| | | | | |
|----|---|---|---|---|
| - | 1 | 6 | 8 | 9 |
| 14 | | | | |
| 19 | 8 | 3 | | |
| 20 | | | | |

| | | | | |
|----|---|---|---|----|
| - | 0 | 4 | 7 | 11 |
| 12 | | | 5 | |
| 28 | | | 2 | |
| 18 | | | | |



Counting down

The rocket can only lift off at zero.
Use subtraction to get to 0 in 4 moves.





Clocks

Write the times under the clocks.



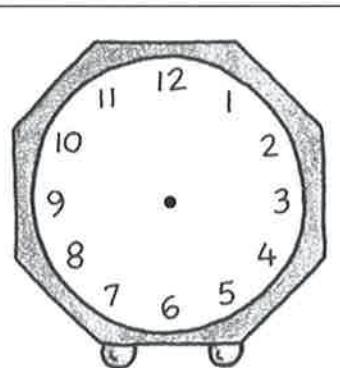
4 o'clock



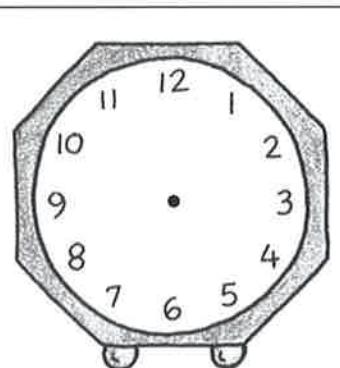
Draw the hands.



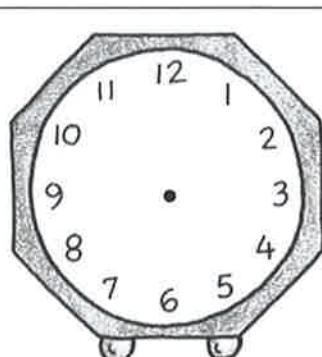
half past 7



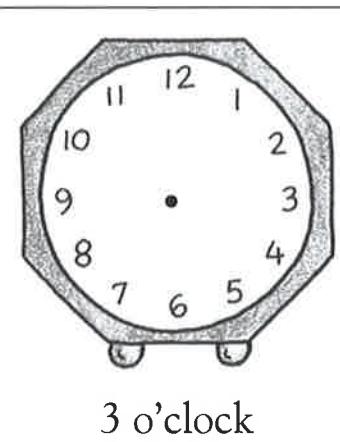
half past 2



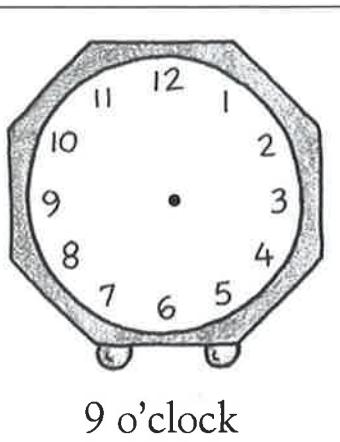
10 o'clock



half past 11



3 o'clock



9 o'clock

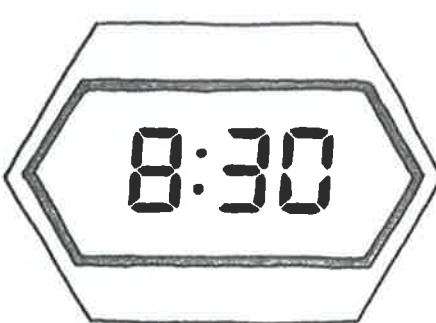


Digital clocks

Write the times under the clocks.



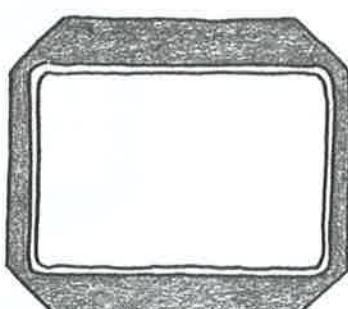
half past 12



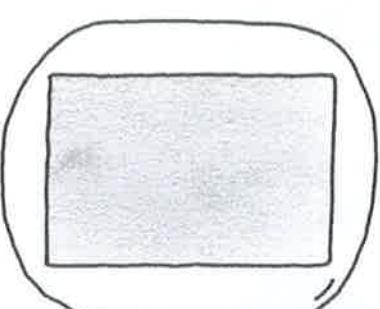
Fill in the digital times on the clock faces.



half past 11



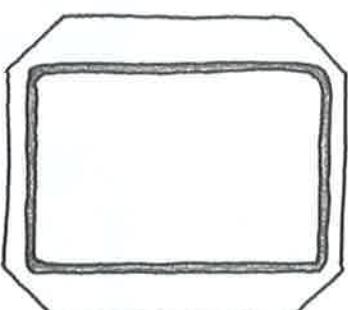
half past 1



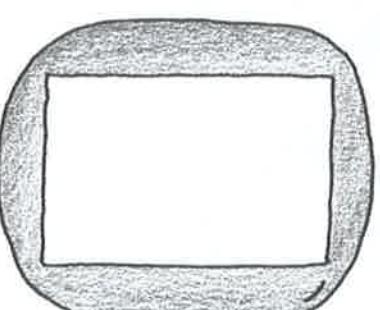
12 o'clock



half past 3



8 o'clock



10 o'clock



Match the times

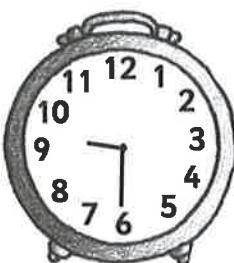
Draw a line to connect the matching times.



half past nine



half past 9



2 o'clock



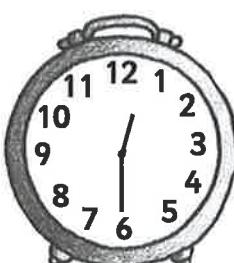
6 o'clock



six o'clock



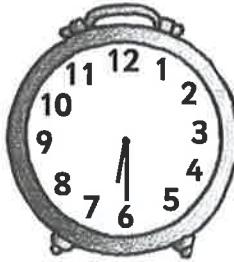
2 o'clock



half past six



9 o'clock



half past twelve



half past 6



nine o'clock



half past 12

Do you know?



Put the months in order by writing a number on each page.



How many ...

... seconds in a minute?

... minutes in an hour?

... hours in a day?

... days in a week?

... days in a year?

... months in a year?

Learn this rhyme.



30 days have September,
April, June, and November.

All the rest have 31,
Except February alone
That has 28 days clear
29 in each leap year.

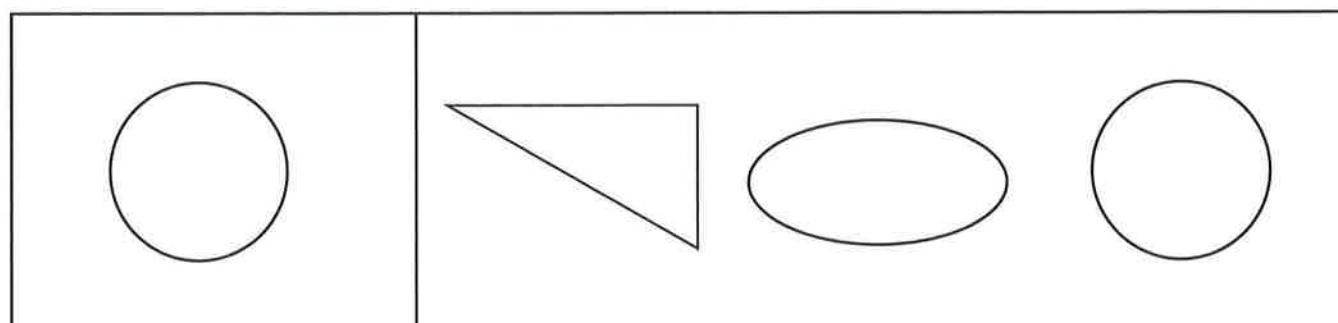
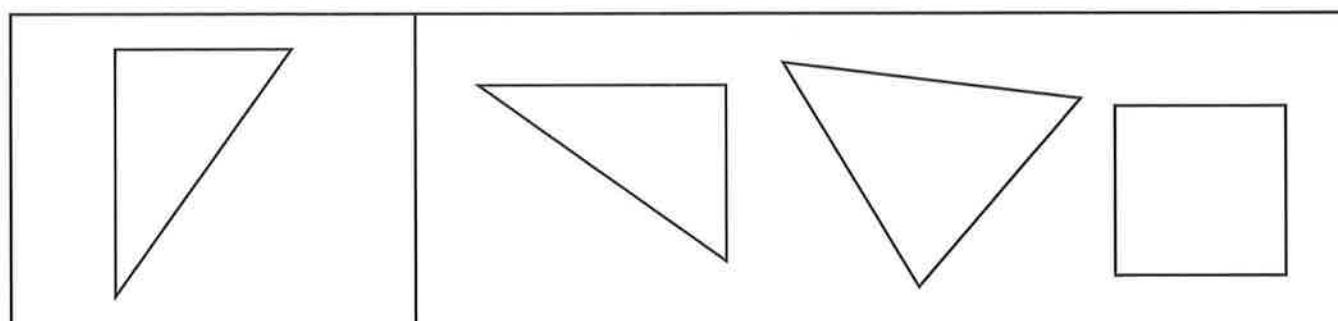
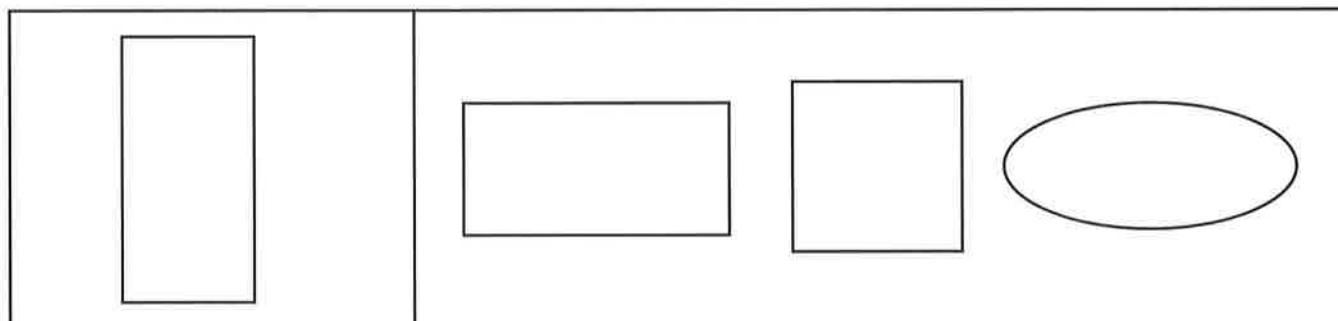
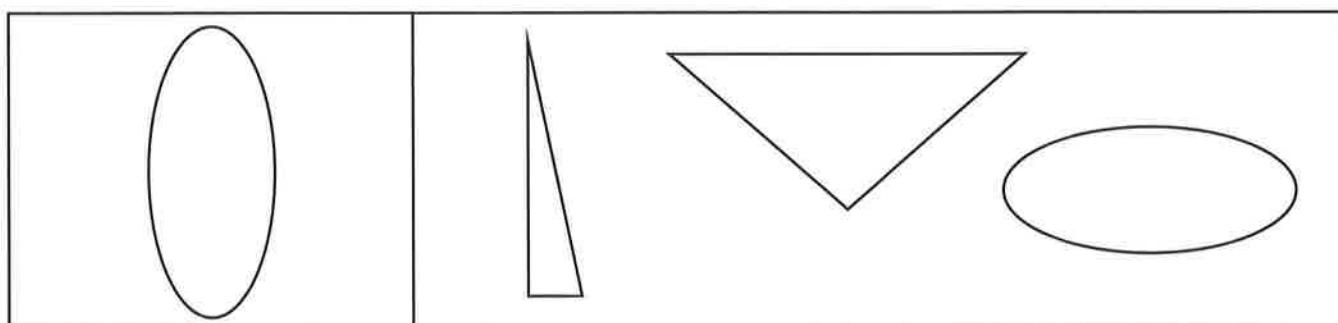
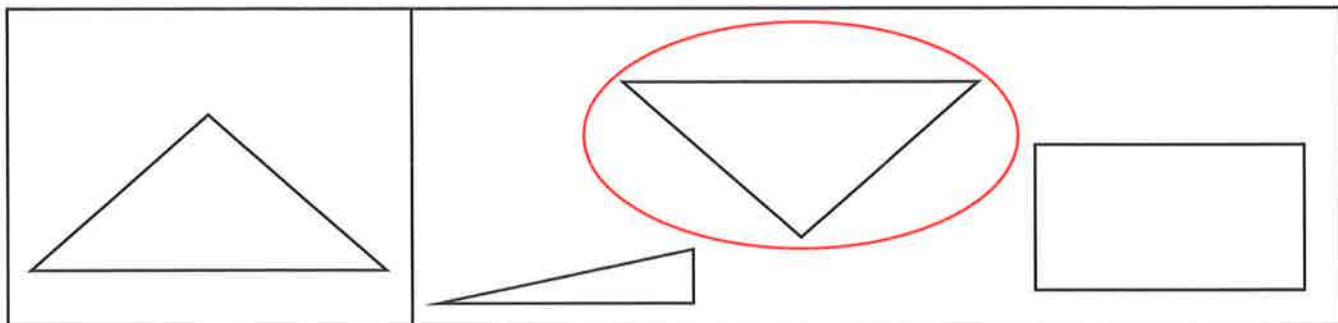


How many days are there in your birthday month?



Matching shapes

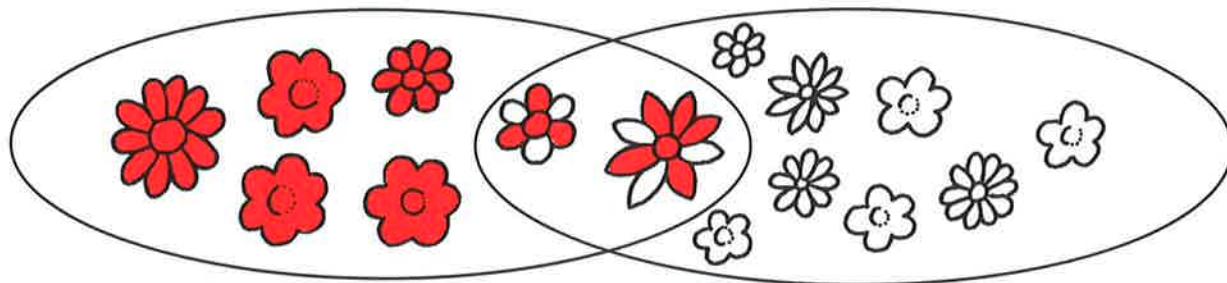
Ring the shape that matches the first shape.





Venn diagrams

Flowers with red petals



Flowers with white petals

How many flowers have ...

... red petals?

7

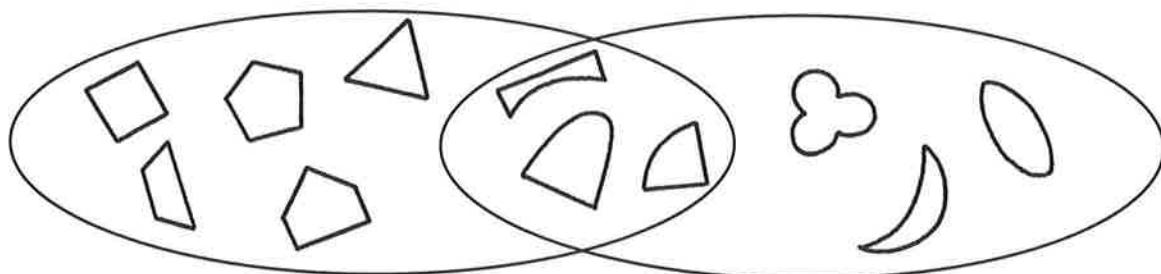
... white petals?

10

... both red
and white petals?

2

Shapes with straight sides



Shapes with curved sides

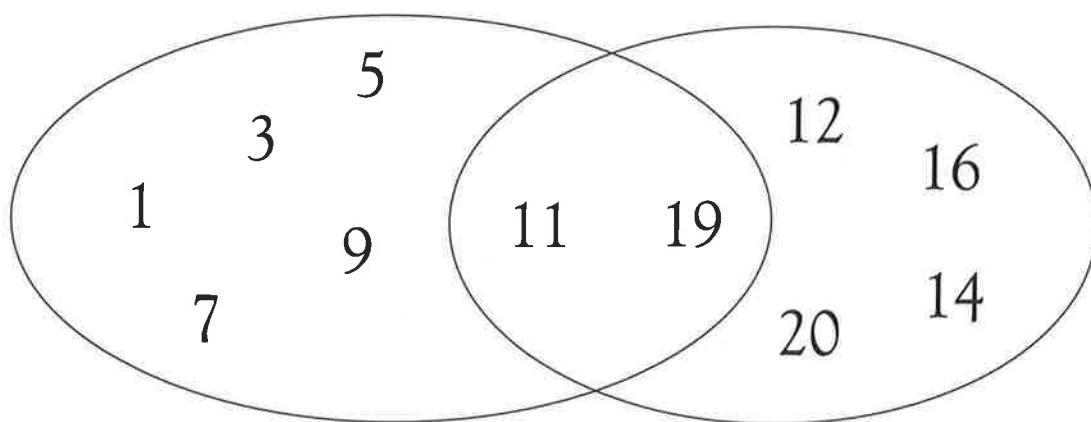
How many shapes have ...

... straight sides?

... curved sides?

... straight and
curved sides?

Odd numbers



Numbers greater than ten

How many numbers are ...

... odd?

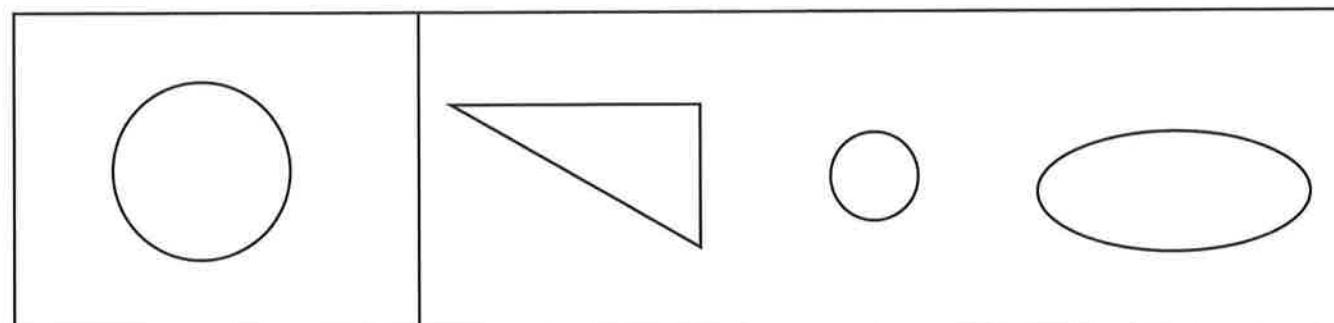
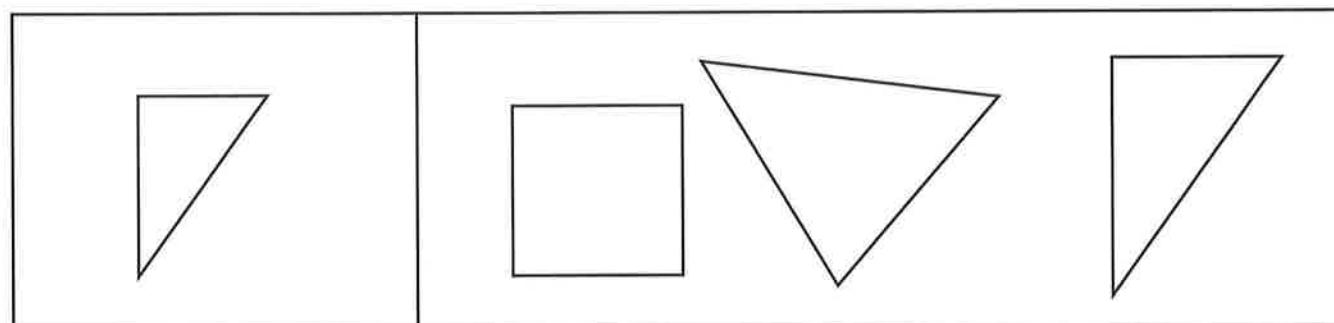
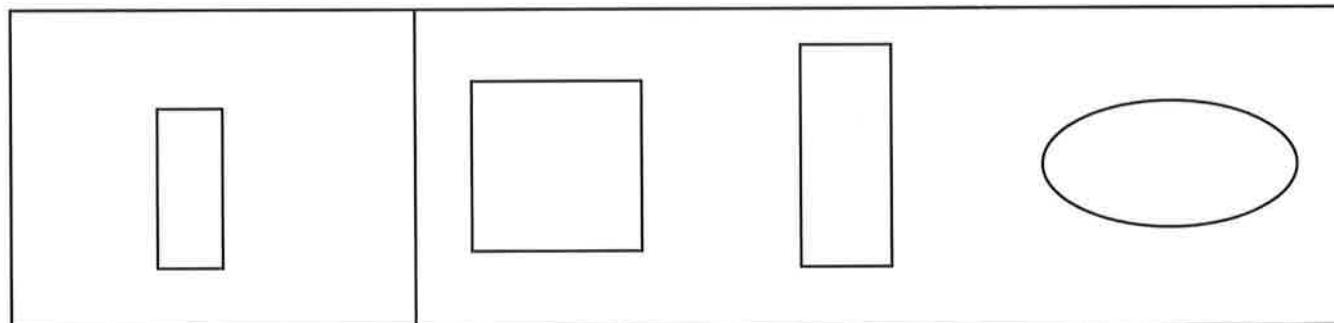
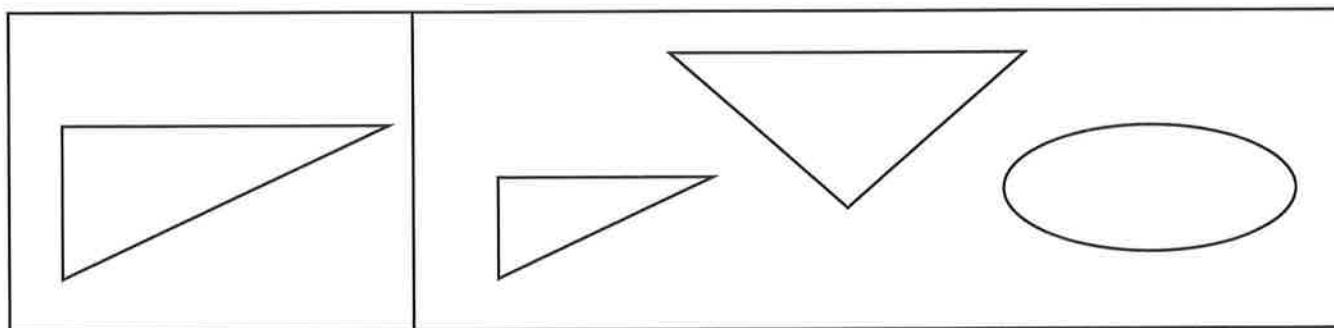
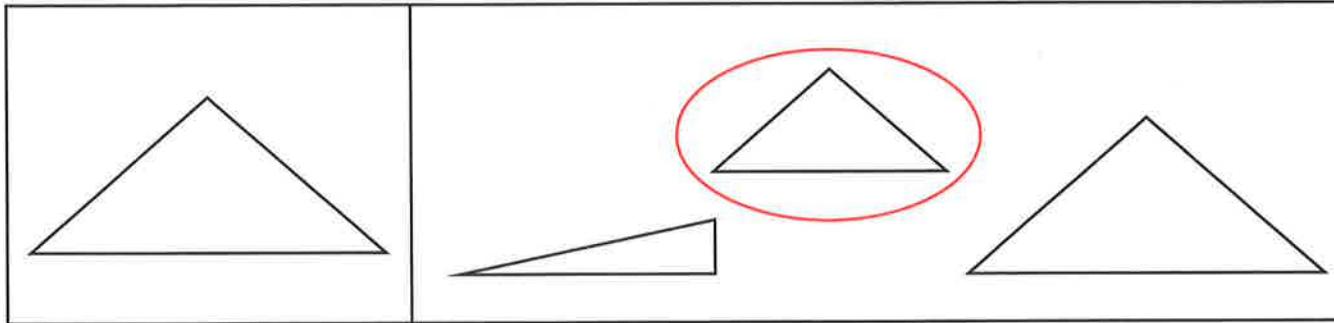
... more than ten?

... odd and more
than ten?



Similar shapes

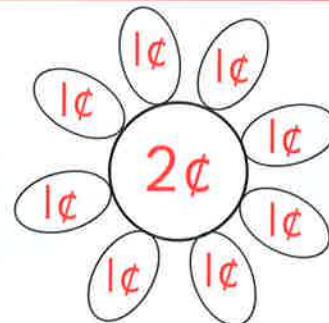
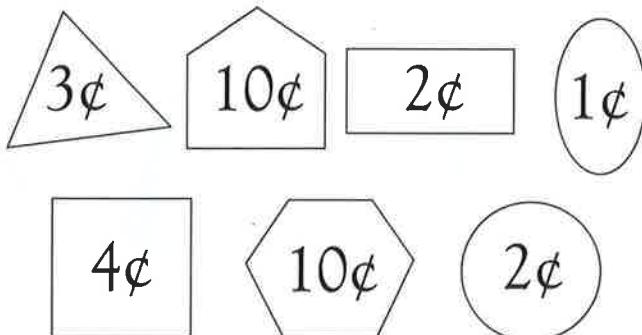
Ring the shape that is the same but a different size.





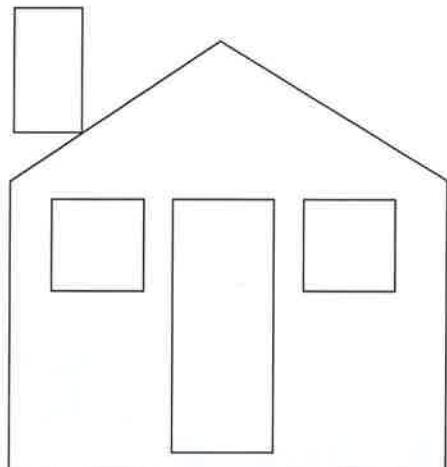
2-dimensional shapes

Add the costs to find the cost of each picture.

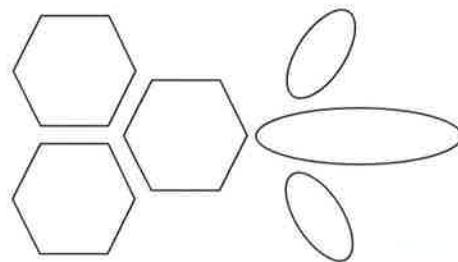


$$2¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ = 10¢$$

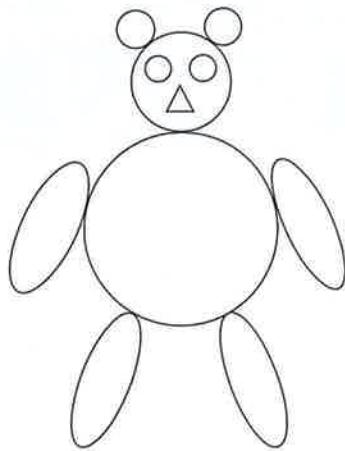
House



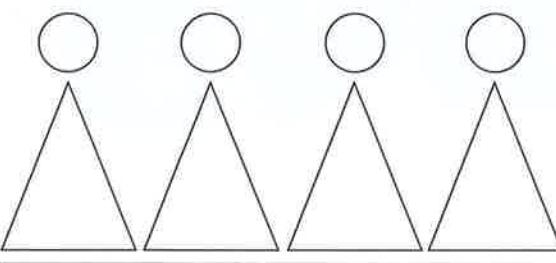
Bee and honeycomb



Teddy bear



Crown

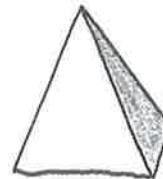
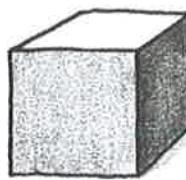




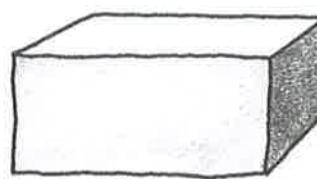
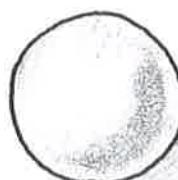
3-dimensional shapes

Label the 3-D shapes.

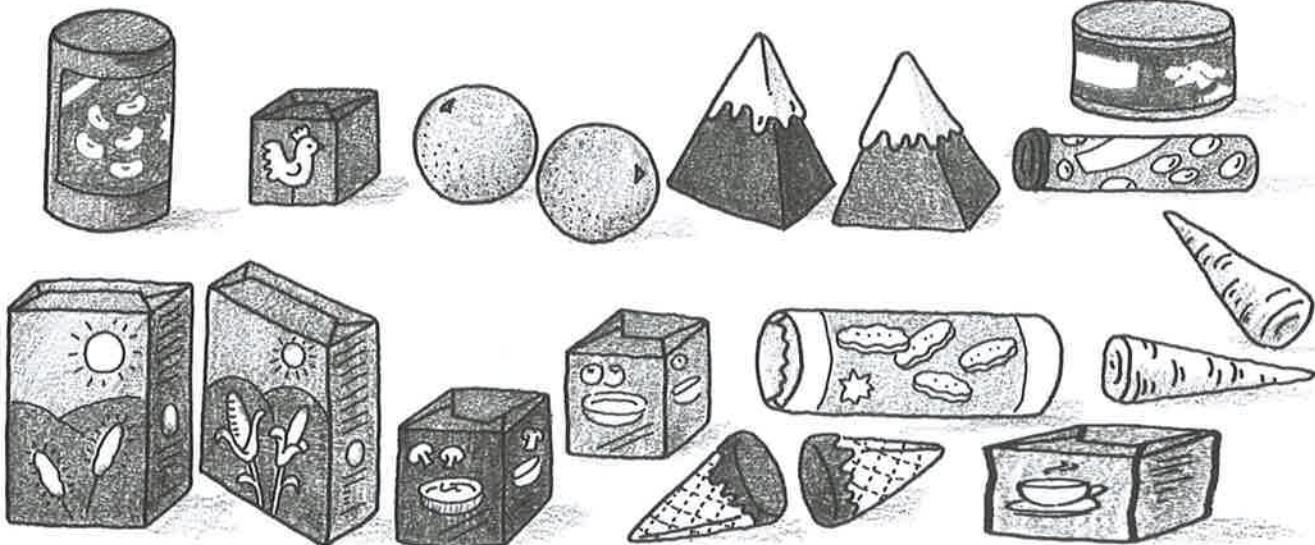
(cone, cylinder, pyramid, cube, sphere, rectangular prism)



cube



How many of each 3-D shape?



cube

3

rectangular
prism

cone

cylinder

pyramid

sphere

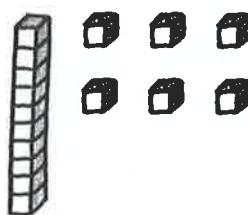
Read, write, and draw



Write the numbers and draw the pictures.

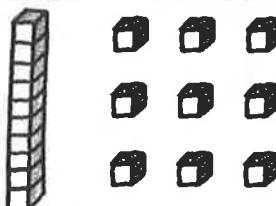
16

sixteen



19

nineteen



10

ten



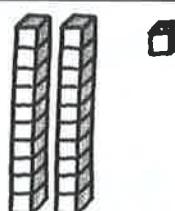
12

twelve



21

twenty-one



7

seven



50

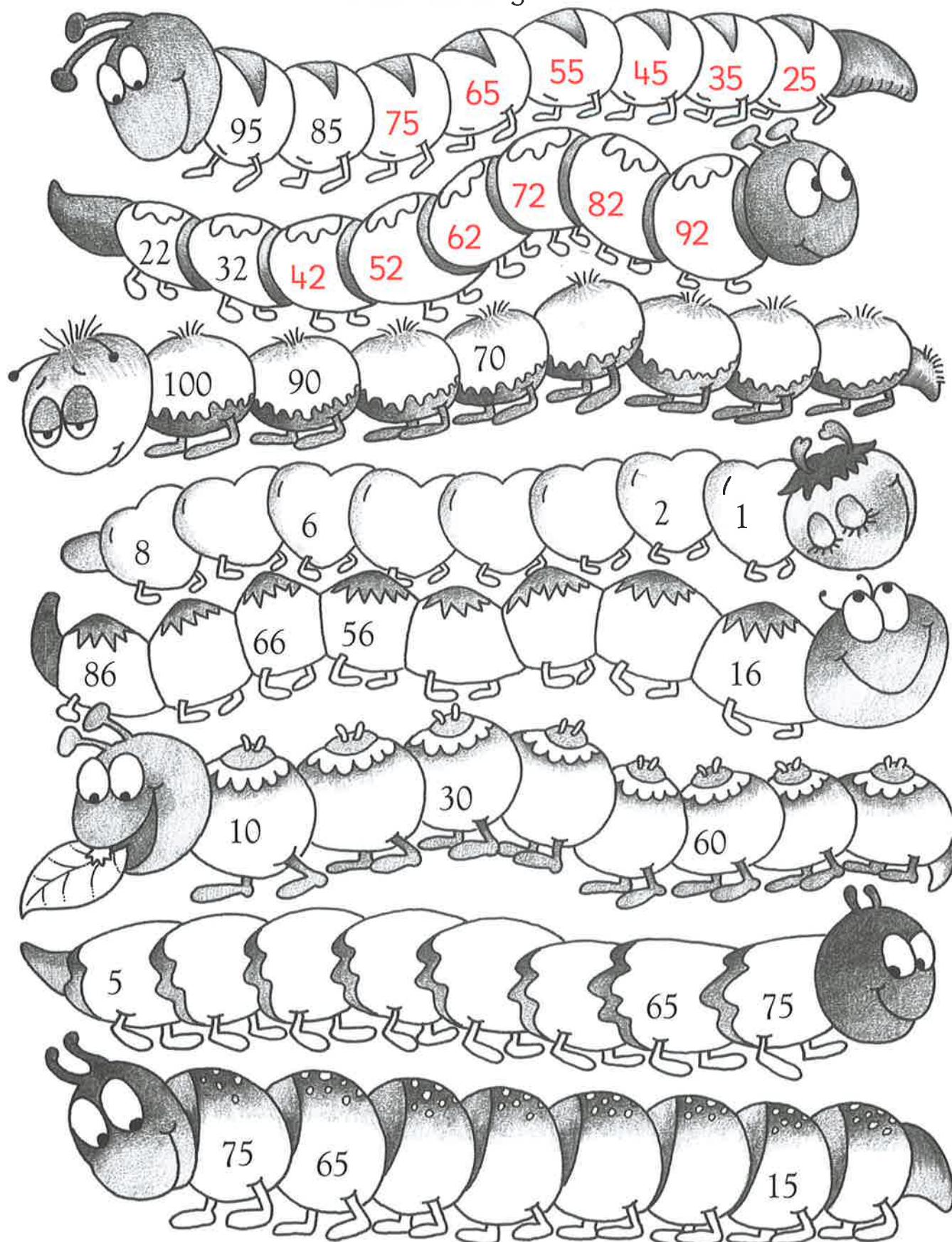
fifty





Counting

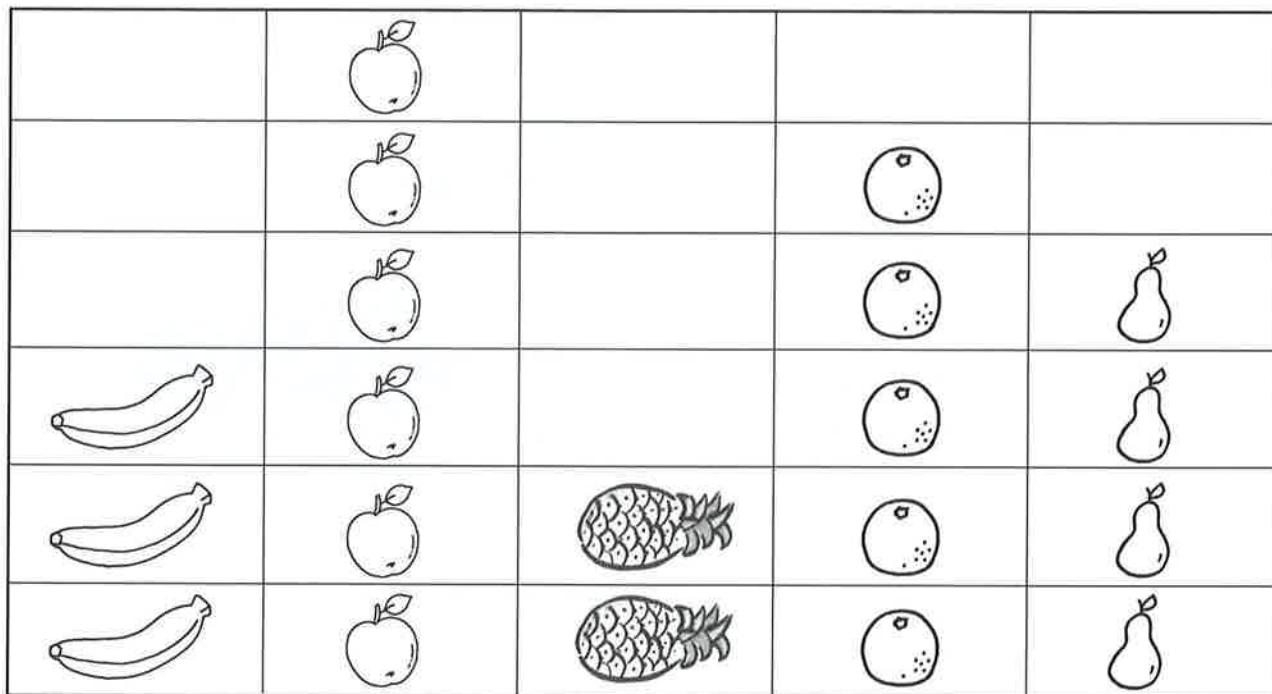
Count on forward or backward by 10s.
Write the missing numbers.



Bar graphs



Fruit



banana

apple

pineapple

orange

pear

How many pears are there?

4

How many bananas are there?

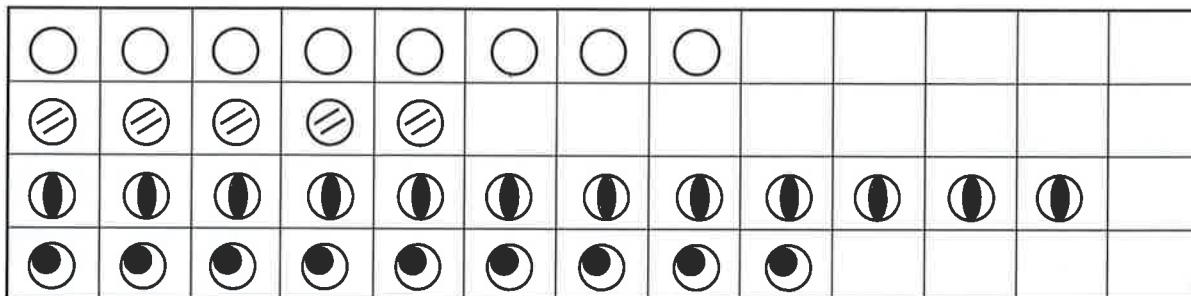
The graph shows 6

The graph shows 2

How many more oranges are there than bananas?

How many apples and pears are there altogether?

Ellen's marbles



How many ⊖ does Ellen have?

How many ◐ does Ellen have?

How many fewer ◐ than ◐ does she have?

How many ○ and ⊖ does she have altogether?



Subtraction

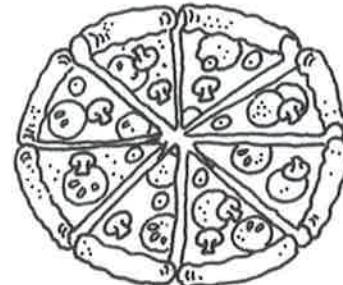
If each child eats 1 slice,
how many slices will be left?

5



If the children eat 6 slices,
how many slices will be left?

If the children eat 8 slices,
how many slices will be left?



If each child reads 1 book,
how many books will be left?



How many books will be left if the
children take 6 books altogether?

How many books will be left
if the children take 9 books?

If the dog buries 1 ball,
how many balls are left?

Write a subtraction sentence.

$$7 - 1 = 6$$

If the dog buries 3 balls,
how many balls are left?

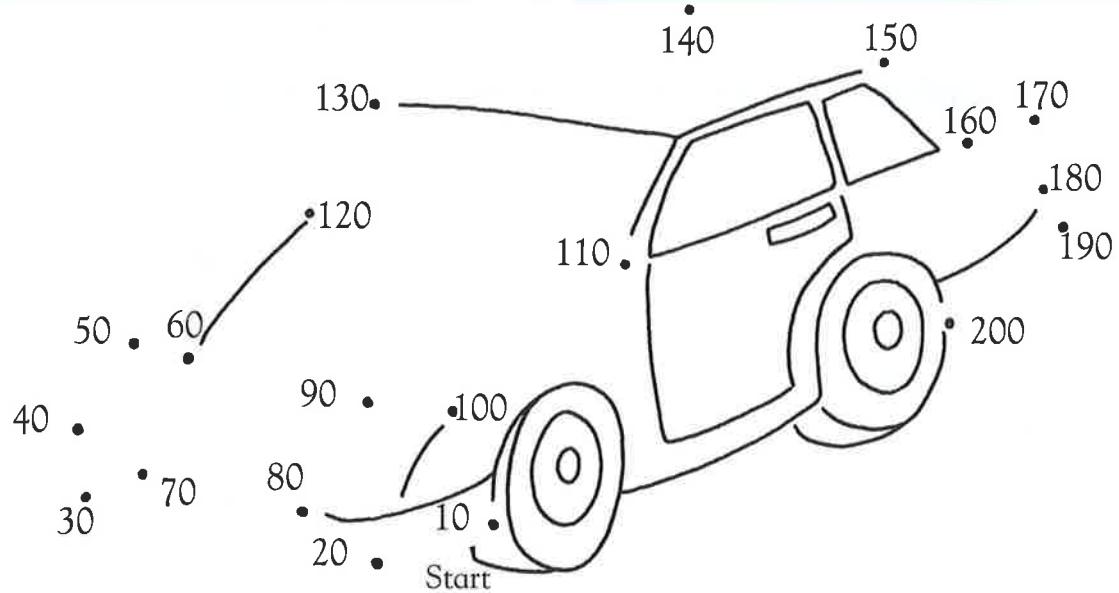
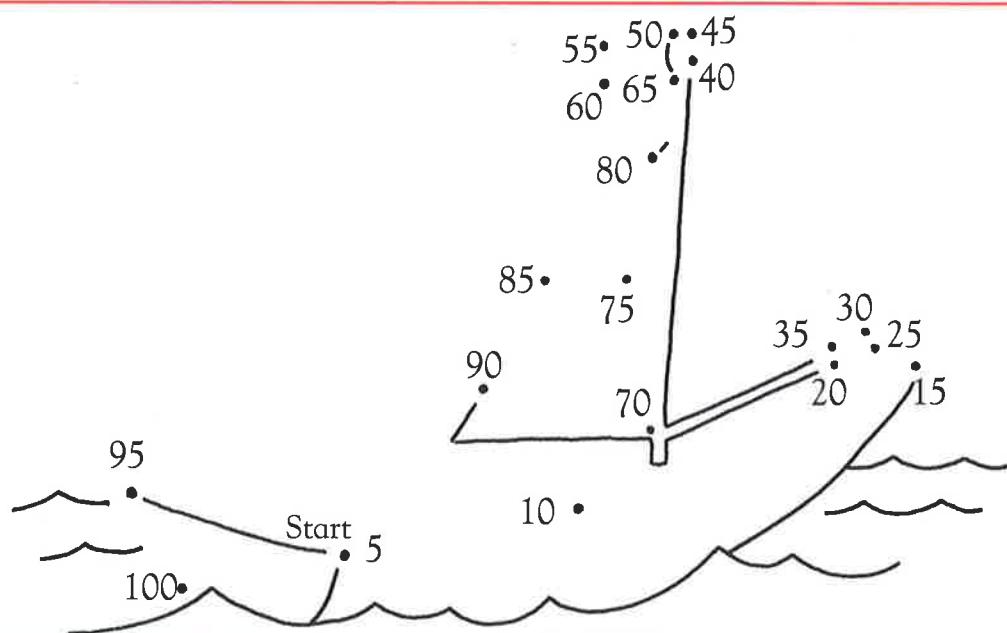
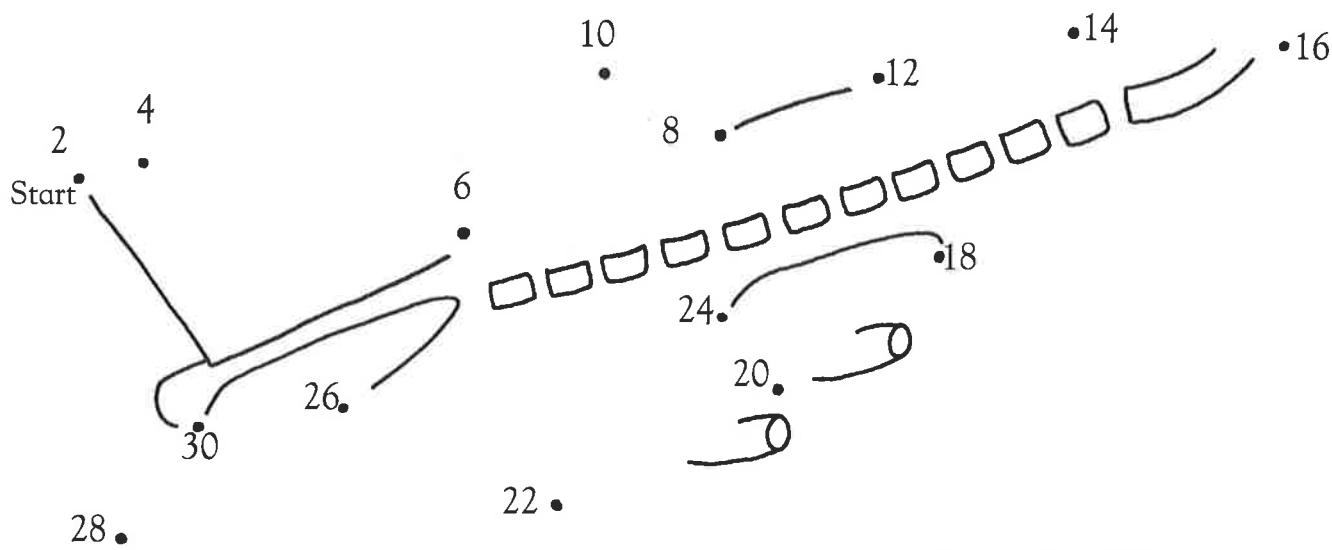


Write a subtraction sentence.

2s, 5s, and 10s



Count by 2s, 5s, and 10s to help you connect the dots.





Comparing

Complete the boxes.

| 2 less | number | 2 more |
|--------|--------|--------|
| 51 | 53 | 55 |

| number | between | number |
|--------|---------|--------|
| 96 | 97 | 98 |

| number | between | number |
|--------|---------|--------|
| 20 | | 24 |

| 3 less | number | 3 more |
|--------|--------|--------|
| | 30 | |

| 2 less | number | 2 more |
|--------|--------|--------|
| | 29 | |

| number | between | number |
|--------|---------|--------|
| 18 | | 22 |

| number | between | number |
|--------|---------|--------|
| 31 | | 34 |

| 10 less | number | 10 more |
|---------|--------|---------|
| | 19 | |

| 5 less | number | 5 more |
|--------|--------|--------|
| | 25 | |

| number | between | number |
|--------|---------|--------|
| 40 | | 45 |

| number | between | number |
|--------|---------|--------|
| 39 | | 42 |

| 5 less | number | 5 more |
|--------|--------|--------|
| | 15 | |



Ordering

Find the totals.



11¢



Write the totals in order, greatest first.

1st

2nd

3rd

11¢

4th

5th

Find the totals.



40¢



Write the totals in order, smallest first.

1st

2nd

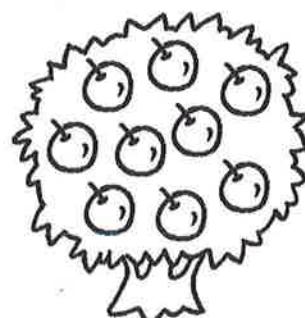
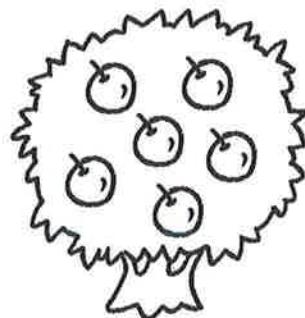
3rd

4th

5th
40¢

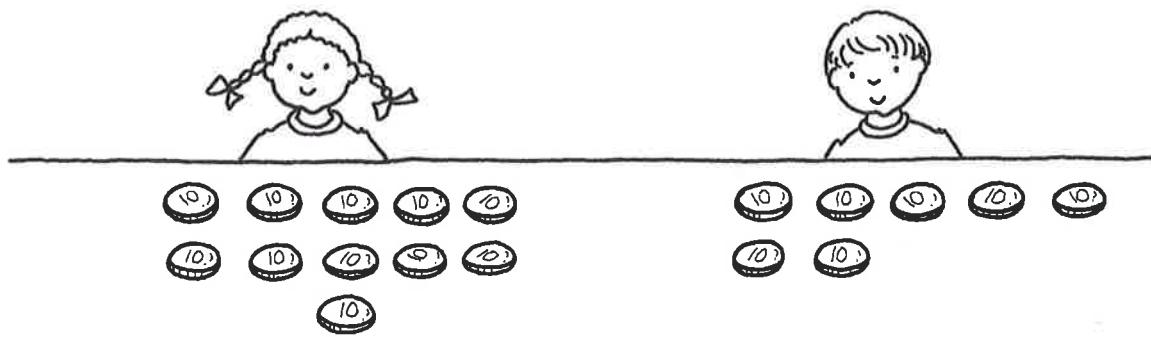


Subtraction



How many fewer apples
are on the left tree than on the right tree?

Write the subtraction sentence.



How many more dimes does Tasha have than Juan?

What is the subtraction sentence?



How many fewer bricks are
in the left stack than in the right stack?

What is the subtraction sentence?

Matching fractions



Colour all the matching squares.

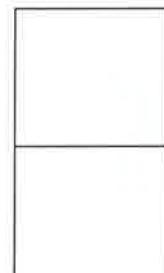
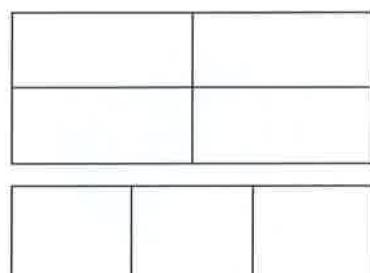
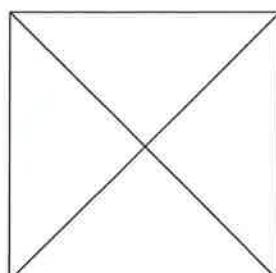
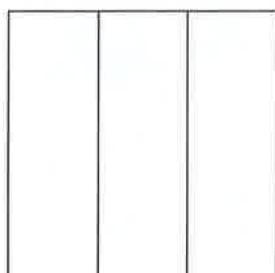
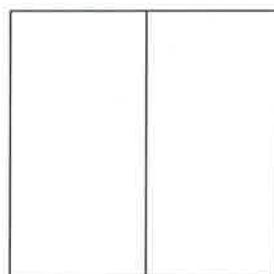
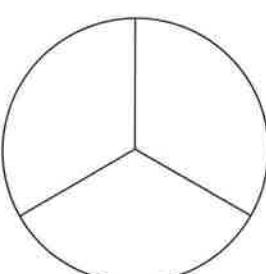
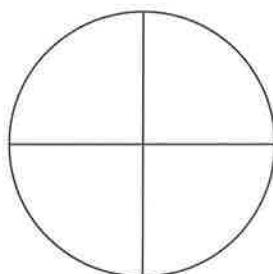
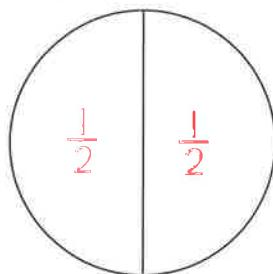
| | | | |
|---|-------------------------------|--|---|
| $\frac{1}{2}$ | • • • • ○ ○ ○ ○ ○ ○ ○ ○ |  |  |
|  | one third | one half |  |
| ○ • • • ○ ○ • • • ○ ○ • • • ○ | $\frac{1}{4}$ |  | one fourth |
| $\frac{1}{3}$ | • ○ ○ ○ • ○ ○ ○ • ○ ○ ○ |  |  |

Use yellow for halves.

Use orange for thirds.

Use green for fourths.

Label each part.



How many thirds in
a whole?



How many fourths in
a whole?



How many halves in
a whole?



How many fourths
in a half?

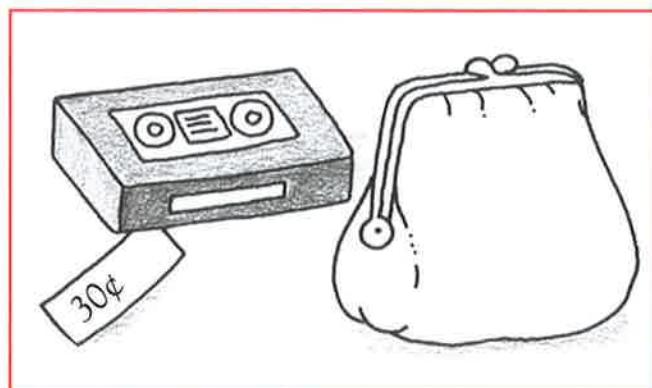
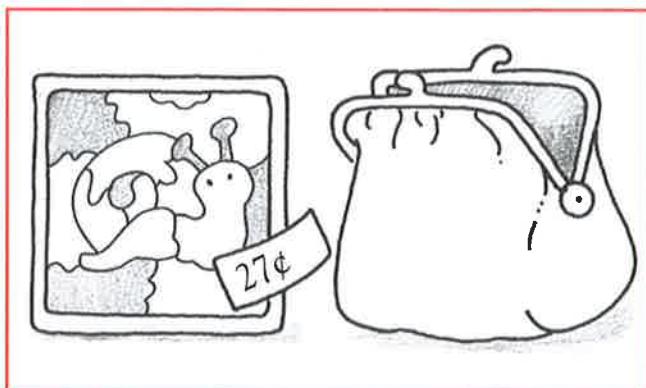
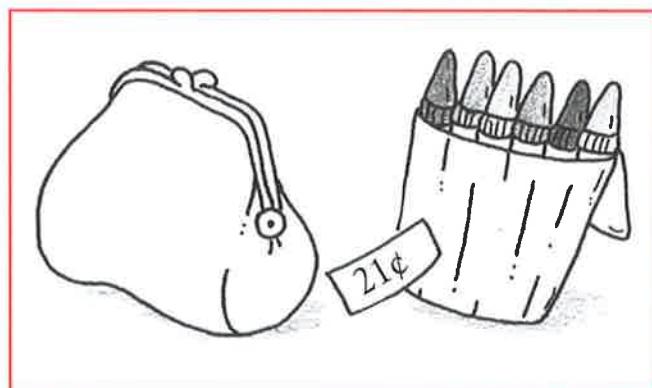
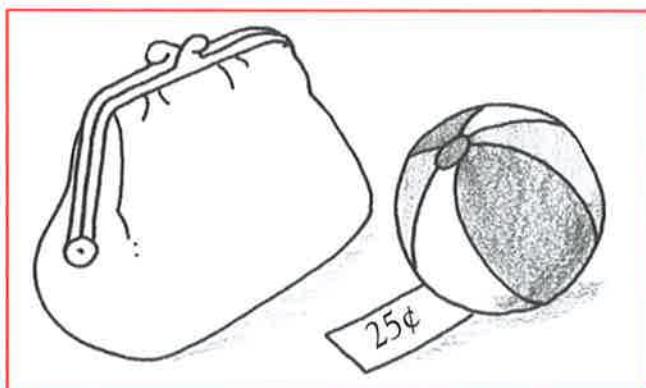
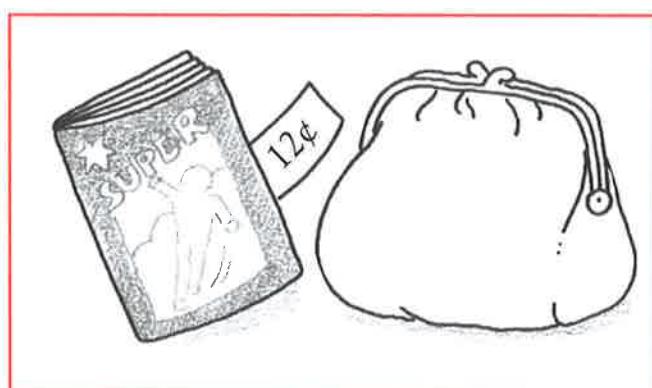
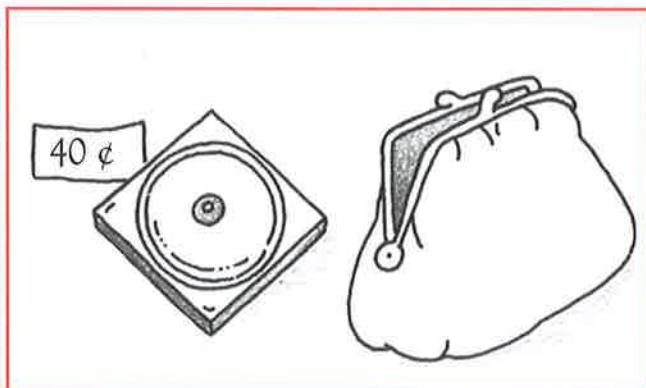
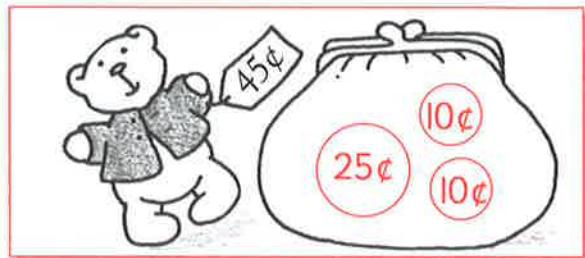




Money



You have only 3 coins in each purse. Draw the 3 coins that make the exact amount needed. You may use each coin more than once.





Fact families

Use the 3 numbers to write 4 different facts.

$6 + 7 = 13$

$7 + 6 = 13$

$13 - 7 = 6$

$13 - 6 = 7$

$16 + 4 = 20$

$+ =$

$- =$

$- =$

$6 + 5 = 11$

$7 + 8 = 15$

$8 + 12 = 20$

$10 + 8 = 18$

$8 + 9 = 17$

$9 + 7 = 16$

$14 + 6 = 20$

$11 + 8 = 19$



Adding money



Add the money. Write the totals in the right squares.

| + | 2¢ | 5¢ | 8¢ | 6¢ |
|-----|----|-----|----|----|
| 3¢ | | | | 9¢ |
| 11¢ | | | | |
| 29¢ | | 34¢ | | |
| 32¢ | | | | |

| + | 2¢ | 4¢ | 6¢ | 9¢ | 3¢ |
|-----|-----|----|----|-----|----|
| 17¢ | | | | | |
| 20¢ | | | | 29¢ | |
| 33¢ | 35¢ | | | | |
| 41¢ | | | | | |



Using doubles

Use the doubles to find the answers.

| | |
|-----------------------------|---------------------------------|
| $6 + 6 = 12$ | $10 + 10 = 20$ |
| $6 + 7$ $6 + 6 + 1 = 13$ | $10 + 11$ $10 + 10 + 1 = 21$ |
| $6 + 5$ $6 + 6 - 1 = 11$ | $10 + 9$ $10 + 10 - 1 = 19$ |

Use doubles to find the answers.

$4 + 4 = \boxed{\quad}$

$4 + 5 = \boxed{\quad} + \boxed{\quad} + 1 = \boxed{\quad}$

$4 + 3 = \boxed{\quad} + \boxed{\quad} - 1 = \boxed{\quad}$

$7 + 7 = \boxed{\quad}$

$7 + 8 = \boxed{\quad} + \boxed{\quad} + 1 = \boxed{\quad}$

$7 + 6 = \boxed{\quad} + \boxed{\quad} - 1 = \boxed{\quad}$

$8 + 8 = \boxed{\quad}$

$8 + 9 = \boxed{\quad} + \boxed{\quad} + 1 = \boxed{\quad}$

$8 + 7 = \boxed{\quad} + \boxed{\quad} - 1 = \boxed{\quad}$

Double your doubles.

 1

double it

 2

double it

 4 4

double it

double it

 2

double it

double it

 5

double it

double it

 3

double it

double it

 6

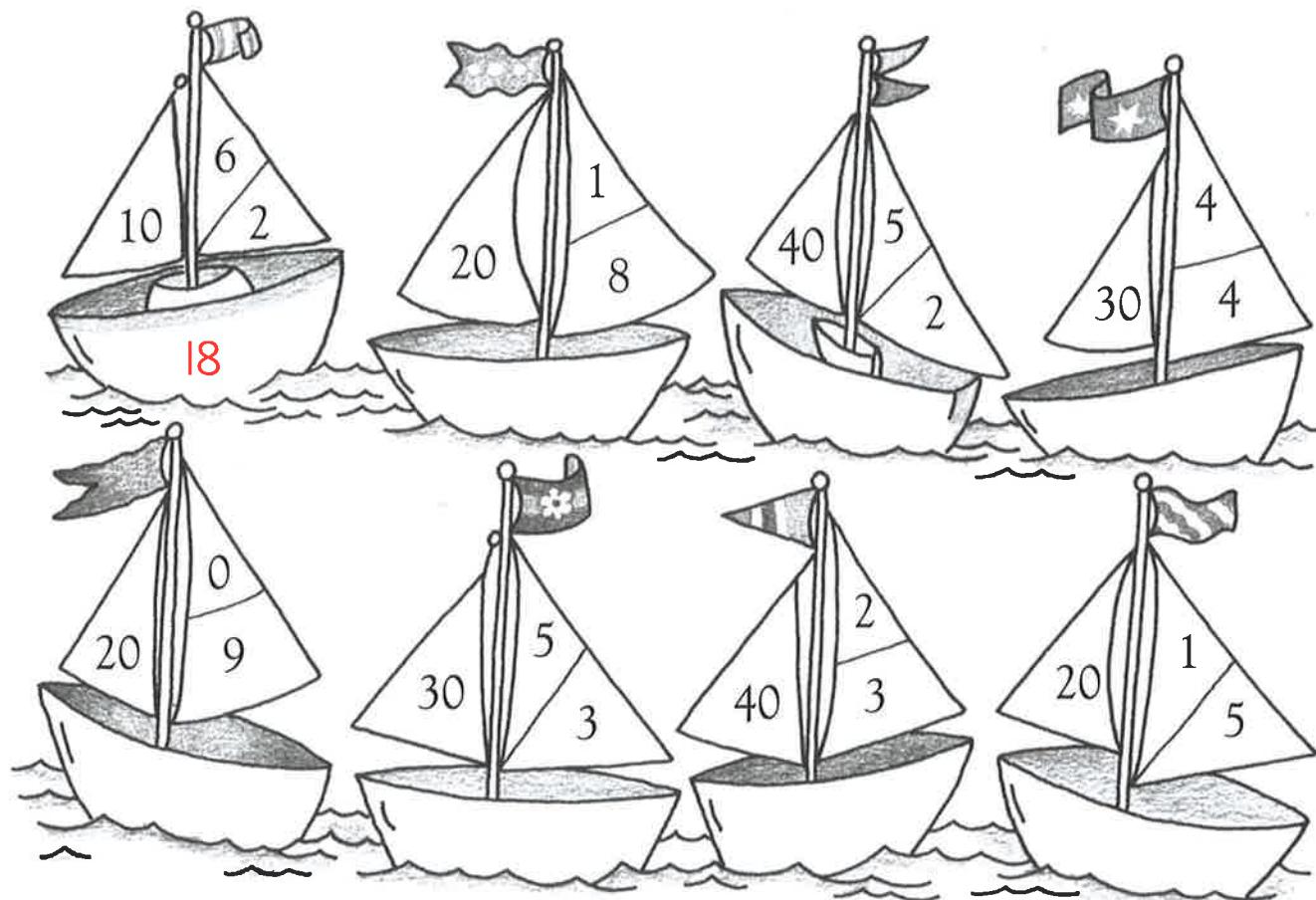
double it

double it



Adding up

Add the numbers on the sails. Write the totals on the boats.



Add the numbers. Write the totals.

$3 + 4 + 10 =$

$9 + 0 + 20 =$

$2 + 40 + 3 =$

$5 + 40 + 2 =$

$20 + 7 + 2 =$

$4 + 5 + 20 =$

$30 + 4 + 3 =$

$1 + 30 + 7 =$

$40 + 8 + 1 =$

$$\begin{array}{r} 30 \\ 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ 2 \\ + 4 \\ \hline \end{array}$$

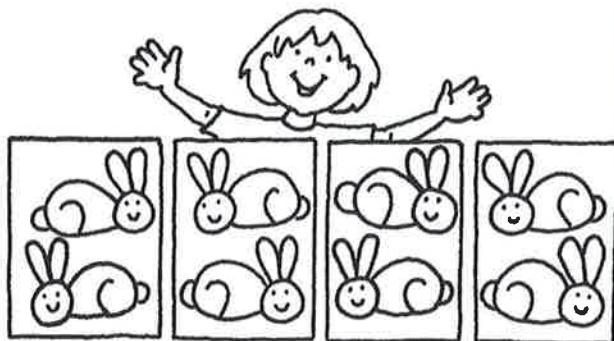
$$\begin{array}{r} 40 \\ 5 \\ + 0 \\ \hline \end{array}$$

Count by 2s



Draw the pictures. Count by 2s. Write the totals.

Sasha has 4 hutches. There are 2 rabbits in each hutch.



8 rabbits

Joel has 3 boxes. There are 2 pencils in each box.

Mrs. Reaves has 6 flower pots.
There are 2 flowers in each pot.

Mr. Hastings has 5 fish. Each fish has 2 eyes.

Draw the pictures, then write the answers.

There are 6 birds. There are 2 birds in each tree. How many trees are there?

There are 8 tarts. There are 2 tarts on each plate. How many plates are there?



Addition

Add to find each sum.

$$\begin{array}{r} 2 \\ + 13 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4 \\ + 10 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 18 \\ + 11 \\ \hline 29 \end{array}$$

Add to find each sum.

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 20 \\ \hline \end{array}$$



Addition

Add to find each sum.

$$\begin{array}{r} 5 \\ +1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 14 \\ +24 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 50 \\ +10 \\ \hline 60 \end{array}$$

Add to find each sum.

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ +12 \\ \hline \end{array}$$

Michael has 21 fish. His dad gives him 7 more fish.
How many fish does Michael have?

Sonia read 13 books one month. She read 6 books the next month. How many books did she read in all?



Addition and subtraction

Write the missing numbers.

$? + 8 = 12$

$7 - ? = 1$

$4 + 8 = 12$

$7 - 6 = 1$

Write the missing numbers.

$15 - ? = 10$

$? + 3 = 6$

$8 - ? = 2$

$9 + ? = 11$

$? - 8 = 0$

$? + 5 = 14$

$? + 3 = 10$

$6 - ? = 2$

$? - 10 = 7$

$? - 4 = 1$

$2 + ? = 7$

$1 + ? = 4$

$14 - ? = 7$

$? + 1 = 9$

$3 + ? = 12$

$8 + ? = 14$

$? - 1 = 2$

$12 - ? = 6$

$18 - ? = 9$

$? + 6 = 11$

$? - 1 = 0$

$? - 7 = 4$

$4 + ? = 13$

$? + 5 = 8$

$? + 3 = 5$

$16 - ? = 10$

$8 + ? = 18$

$5 + ? = 12$

$? + 4 = 0$

$9 - ? = 6$

Real-life problems



Look at the picture. Answer the questions.



What time is it?

Today is Friday. What day was it yesterday?

How many cupcakes can each person have?

If half of the apples were eaten, how many would be left?

If each person had 2 drinks, how many drinks would there be altogether?

How many more sandwiches are there than apples?

If 13 candies were eaten, how many would be left?

Each package contains 2 presents. How many presents are there altogether?

What shape are the sandwiches?

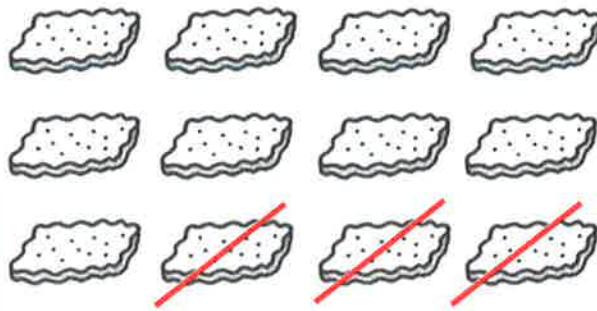
Is there an odd or an even number of chairs?



Real-life problems

Complete the pictures, and then write the answers.

There were 12 biscuits. James ate 3.
How many were left?

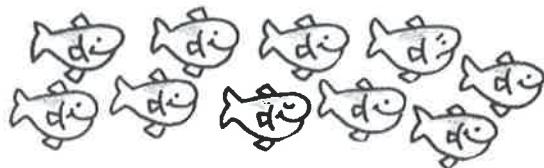


9

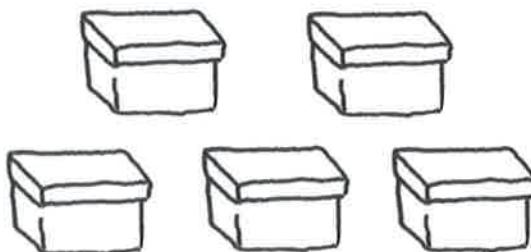
Share 9 marbles equally among
3 people. How many marbles will
each have?



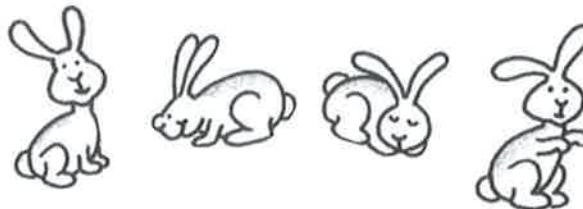
Susie has ten fish. She is given 11 more
for her birthday. How many fish does she
have altogether?



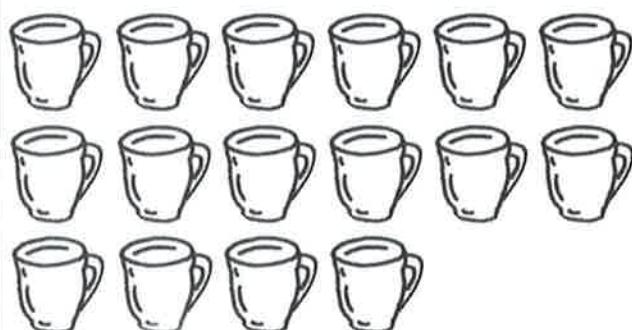
Joe had 5 boxes. He had 3 pencils in
each box. How many pencils did he
have altogether?



If you share 8 carrots equally among 4
rabbits, how many carrots will each have?



Mom had 16 cups, but she broke 9 of
them. How many cups does she have left?





Addition

Find each sum.

$$\begin{array}{r} 40 \\ +30 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 80 \\ +80 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 20 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +80 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +70 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +30 \\ \hline \end{array}$$

Find each sum.

$$70 + 20 = \boxed{90}$$

$$80 + 10 = \boxed{}$$

$$10 + 40 = \boxed{}$$

$$60 + 10 = \boxed{}$$

$$30 + 30 = \boxed{}$$

$$50 + 10 = \boxed{}$$

$$20 + 70 = \boxed{}$$

$$70 + 10 = \boxed{}$$

$$10 + 20 = \boxed{}$$

$$20 + 60 = \boxed{}$$

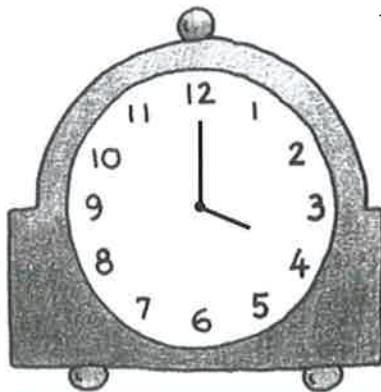
$$40 + 40 = \boxed{}$$

$$10 + 80 = \boxed{}$$



Clocks and watches

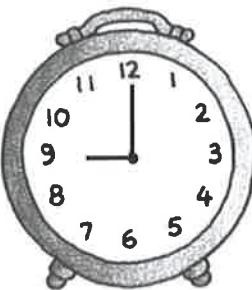
Write the times.



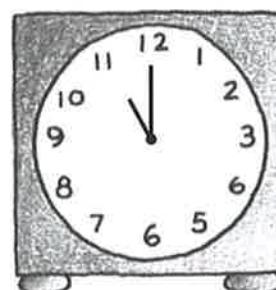
4 o'clock



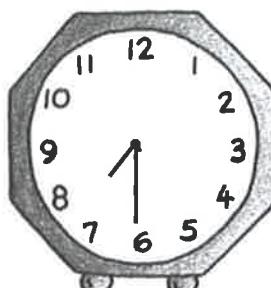
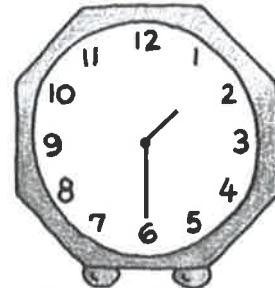
half past 10



5:30



12:00



10:00



Puzzles



Read the clues and solve the puzzle.

I am a number between 20 and 30. If you count by fives, you will say my name. Who am I? 25

Read the clues and solve each puzzle.

I am an even number. I am between 6 and 9. Who am I? 8

$7 + 7$ is less than I am. $7 + 9$ is greater than I am. Who am I? 13

I am a number less than 10. If you add me to myself, you will find a number greater than 16. Who am I? 9

$16 - 10$ is less than I am. $16 - 8$ is greater than I am. Who am I? 12

I am a number between 7 and 12. If you count by threes, you will say my name. Who am I? 9

I am an odd number. I am between 11 and 14. Who am I? 13

If you subtract me from 14, you will find a number greater than 11. I am an odd number. Who am I? 13

If you add me to 50, you will find a number less than 70. If you count by tens you will say my name. Who am I? 20

If you add me to 1, you will find an odd number. I am less than 2. Who am I? 1



Tables

Water animals

| | Has 4 legs | Eats insects | Has a furry coat | Lays eggs |
|-------|------------|--------------|------------------|-----------|
| Frog | yes | yes | no | yes |
| Newt | yes | yes | no | yes |
| Otter | yes | no | yes | no |

Use the table to answer the questions.

What does the insects frog eat?

Who lays eggs? _____

Who has a furry coat? _____

Does the otter eat insects? _____

Who has a furry coat and does not lay eggs? _____

School friends

| | Age | Hobby | Pet | Favourite colour |
|--------|-----|-----------|--------|------------------|
| Dean | 7 | Computers | Rat | Black |
| Joe | 6 | Reading | Rabbit | Purple |
| Taif | 7 | Judo | Cat | Orange |
| Maddie | 8 | Computers | Parrot | Green |

Use the table to answer the questions.

Whose favourite colour is black? Dean's

Who is the oldest? _____

Who has judo for a hobby? _____

What kind of pet does Joe have? _____

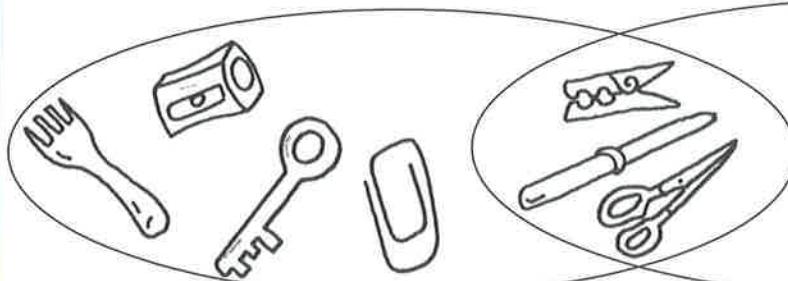
Who likes computers and has a parrot? _____

Who is seven and does not have a rat? _____

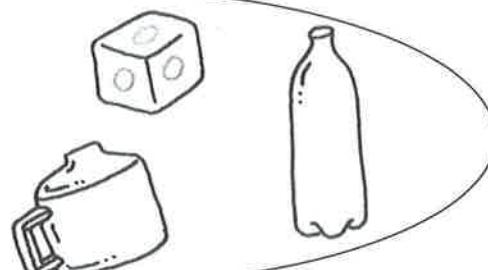


Venn diagrams

Things made with metal



Things made with plastic



How many things are ...?

made with plastic?

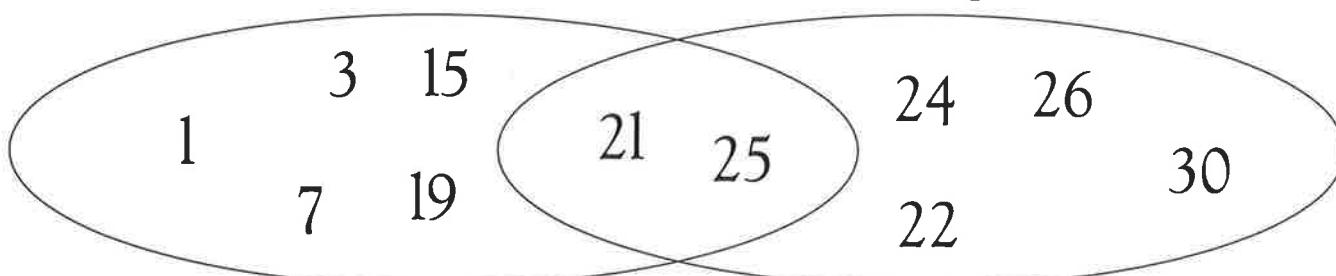
made with metal?

made with metal and plastic?

not made with plastic?

Odd numbers

Numbers greater than 20



How many numbers are ...?

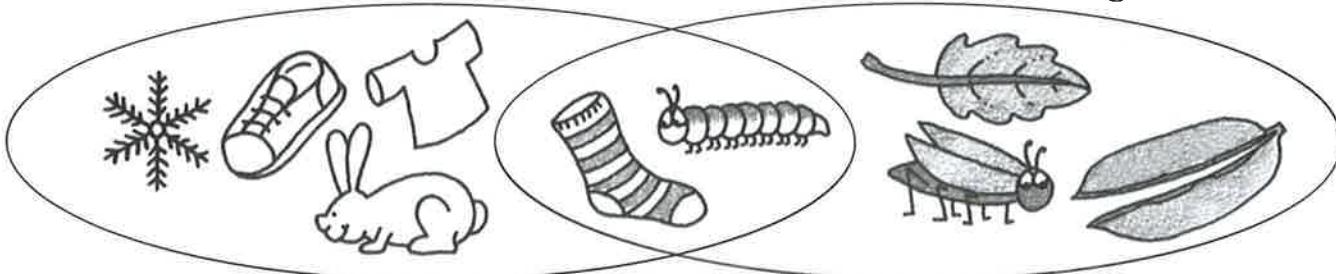
odd?

greater than 20?

odd and greater than 20?

not odd?

White things



Green things

green?

white?

green and white?

not green?



Appropriate units of measure

Which unit would you use to measure the length of each item? Circle the answer.

| | | | | |
|--|-------------|------------|-----------|--------|
| | centimetres | kilometres | kilograms | litres |
| | kilometres | grams | kilograms | metres |

Which unit would you use to measure the weight of each item? Circle the answer.

| | | | | |
|--|-------------|------------|-----------|-------|
| | centimetres | kilometres | kilograms | grams |
| | kilometres | kilograms | litres | grams |

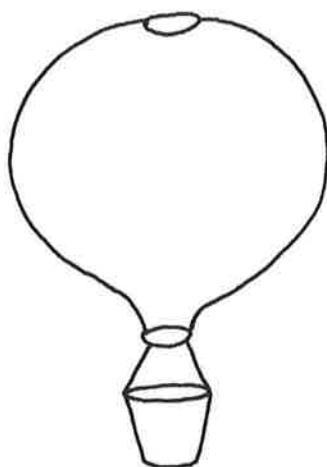
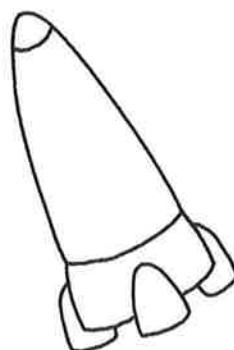
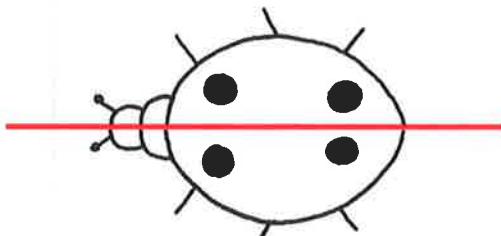
Which unit would you use to measure how much liquid each container holds? Circle the answer.

| | | | | |
|--|------------|-------------|-------------|-----------|
| | tonnes | centimetres | millilitres | kilograms |
| | kilometres | centimetres | grams | litres |

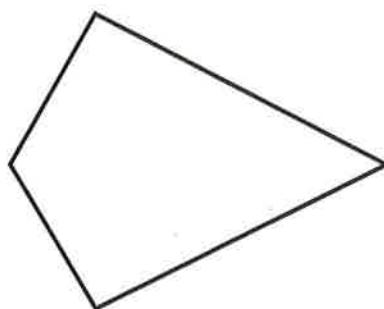
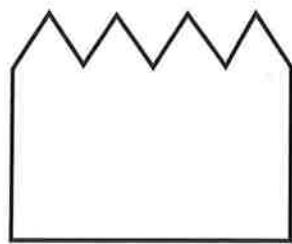
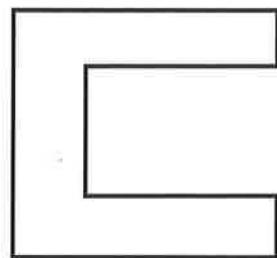
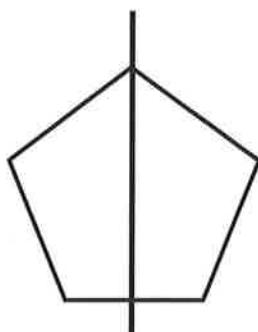


Symmetry

Draw a line of symmetry on each picture.



Draw lines of symmetry on these shapes.





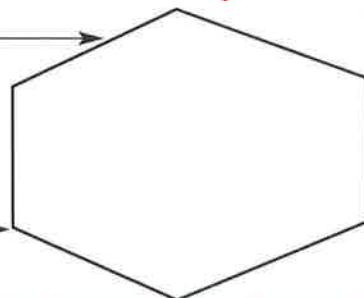
2-dimensional shapes

Write the name of the shape. Count the corners and sides.

Name hexagon

side →

corner →



Sides

6

Corners

6

Name _____

Sides

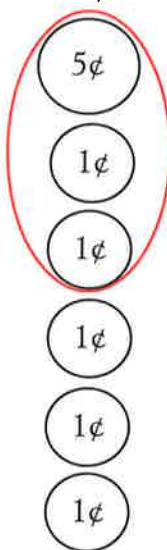
Corners



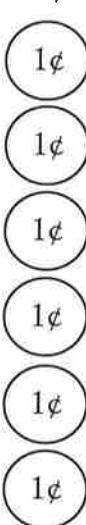
Equal value

Circle the coins that add up to the amount shown.

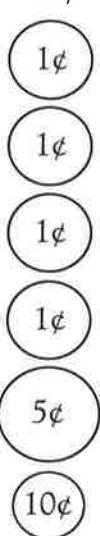
7¢



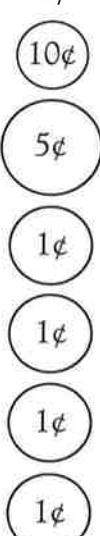
6¢



15¢



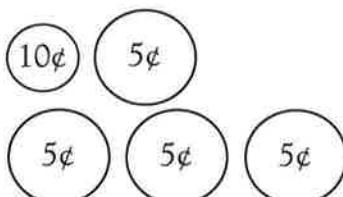
8¢



20¢

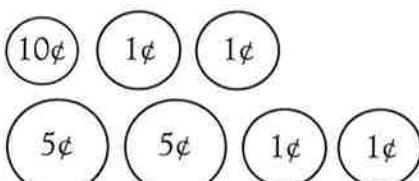


Write the amounts. Tell if they are equal.

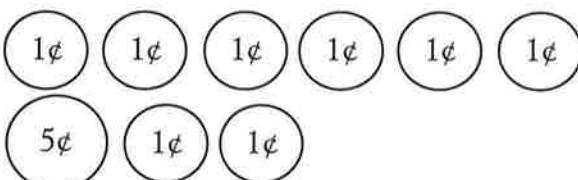


15¢

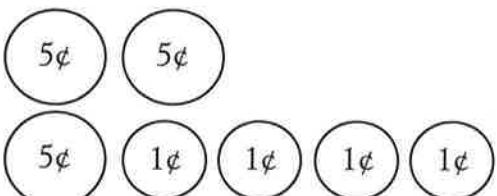
equal



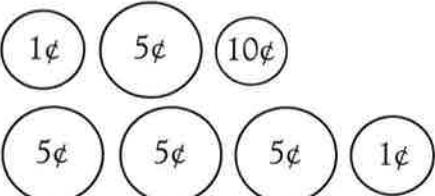
15¢



15¢



15¢

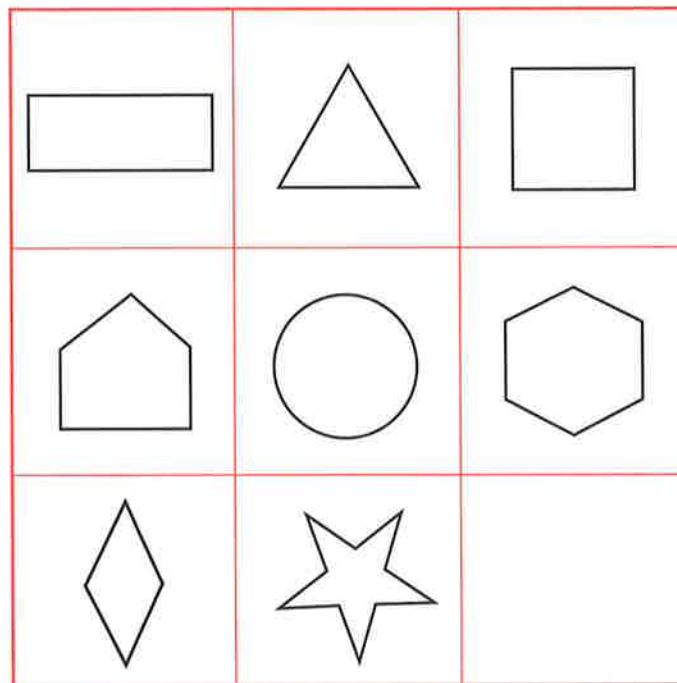


15¢



Shapes and places

Look at the shapes and answer the questions.



circle

hexagon

diamond

pentagon

rectangle

square

star

triangle

Which shape is ...

underneath the circle?

to the left of the triangle?

above the hexagon?

below the pentagon?

between the rectangle and the diamond?

diagonally above the empty space?

beside the diamond?

on top of the diamond?

between the triangle and the star?

on the right-hand end of the top row?

in the centre of the grid?

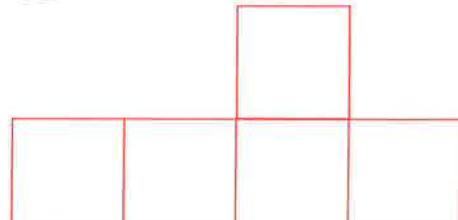
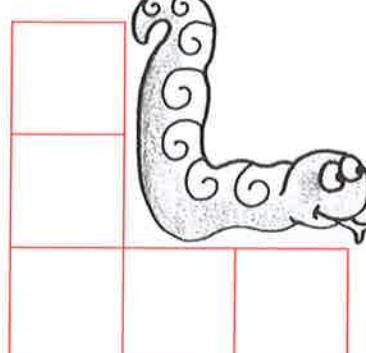
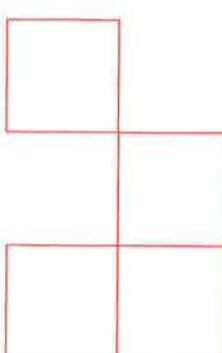
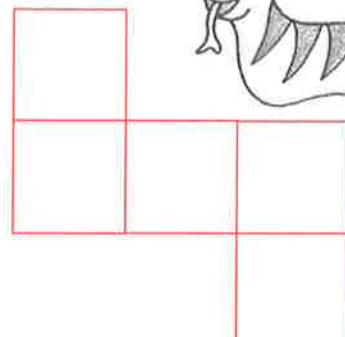
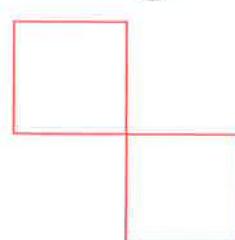
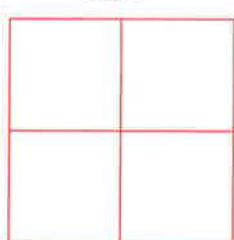
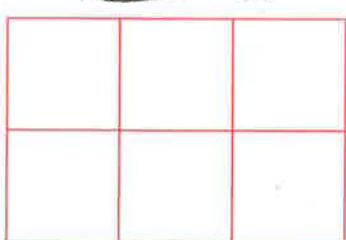
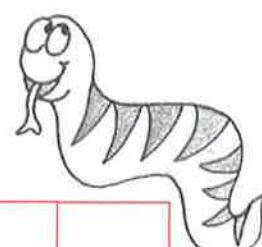
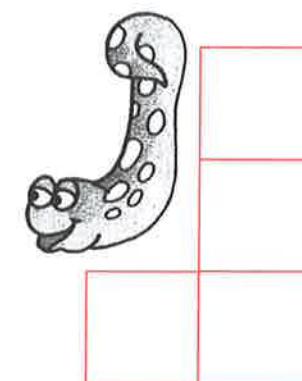
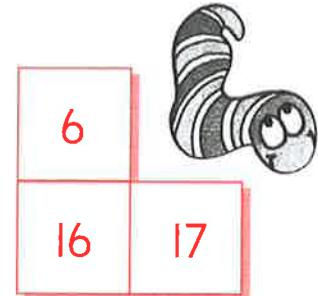
in the top left-hand corner?

Numbers



Which numbers are the snakes hiding?

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |





Counting by 1s and 10s

Finish each row.

Count by 1s.

24 25 26 27 28 29

Count by 10s.

31 41 51 61 71 81

Finish each row. Count by 1s.

17 18 19

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91

Finish each row. Count by 10s.

10 20 30

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Finish each row. Count by 1s and 10s.

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7

Counting by 2s



Count by 2s. 12 14 16

18

20

22

Count by 2s. 31 33 35

37

39

41

Finish each row. Count by 2s.

17 19 21

36 38 40

72 74 76

43 45 47

14 16

39

Finish each row. Count by 2s.

20

34

75

89

44

58

69

83

31

45

88

102

Finish each row. Count by 2s.

28

53

87

91

48

52

97

99

56

127



Odd and even

Numbers ending in 0 2 4 6 8 are called even numbers.

Numbers ending in 1 3 5 7 9 are called odd numbers.

Circle the numbers that are even.

10 25 13 34
21 18 9 6 22
17

Circle the numbers that are odd.

49 50 48 16 32
21 23 35 44 37

Write the odd numbers between 30 and 50.

Write the even numbers between 21 and 41.



More and less

Which number is 1 more than 49?

50

Which number is 10 less than 64?

54

Write the number that is 1 more than each of these.

35 78 69 53 9 54

41 24 67 40 36 73

Write the number that is 1 less than each of these.

52 18 20 76 37 50

40 54 23 100 31 83

Write the number that is 10 more than each of these.

46 21 86 53 16

18 29 39 38 90

60 81 59 23 80

Write the number that is 10 less than each of these.

56 75 86 18 23

68 45 50 40 80

60 90 60 70 10

Write the number that is 10 more than each of these.

65 76

90 60

Write the number that is 10 less than each of these.

50 10

80 75



Fact families

Finish the fact family for each group of numbers.



$$\begin{array}{rcl} 5 + 4 & = & 9 \\ 4 + 5 & = & 9 \\ 9 - 4 & = & 5 \\ 9 - 5 & = & 4 \end{array}$$

Finish the fact family for each group of numbers.

| | | |
|----|-----|---|
| 4 | 7 | 3 |
| •• | ••• | |

$$\begin{array}{l} 4 + 3 = \\ 3 + 4 = \\ 7 - 3 = \\ 7 - 4 = \end{array}$$

| | | |
|----|------|----|
| 3 | 8 | 5 |
| •• | •••• | •• |

$$\begin{array}{l} 3 + 5 = \\ 5 + 3 = \\ 8 - 5 = \\ 8 - 3 = \end{array}$$

| | | |
|-----|---|---|
| 6 | 7 | 1 |
| ••• | • | |

$$\begin{array}{l} 6 + 1 = \\ 1 + 6 = \\ 7 - 1 = \\ 7 - 6 = \end{array}$$

| | | |
|----|-----|----|
| 2 | 6 | 4 |
| •• | ••• | •• |

$$\begin{array}{l} 2 + 4 = \\ 4 + 2 = \\ 6 - 4 = \\ 6 - 2 = \end{array}$$

| | | |
|---|---|---|
| 2 | 9 | 7 |
| | | |

$$\begin{array}{l} 2 + 7 = \\ 7 + 2 = \\ 9 - 2 = \\ 9 - 7 = \end{array}$$

| | | |
|---|---|---|
| 2 | 3 | 5 |
| | | |

$$\begin{array}{l} 3 + 2 = \\ 2 + 3 = \\ 5 - 2 = \\ 5 - 3 = \end{array}$$

| | | |
|---|---|---|
| 1 | 3 | 4 |
| | | |

$$\begin{array}{l} 3 + 1 = \\ 1 + 3 = \\ 4 - 1 = \\ 4 - 3 = \end{array}$$

| | | |
|----|---|---|
| 10 | 8 | 2 |
| | | |

$$\begin{array}{l} 2 + 8 = \\ 8 + 2 = \\ 10 - 2 = \\ 10 - 8 = \end{array}$$

| | |
|----|---|
| 10 | 5 |
| | |

$$\begin{array}{l} 5 + 5 = \\ 10 - 5 = \end{array}$$

| | |
|---|---|
| 4 | 8 |
| | |

$$\begin{array}{l} 4 + 4 = \\ 8 - 4 = \end{array}$$

| | |
|---|---|
| 3 | 6 |
| | |

$$\begin{array}{l} 3 + 3 = \\ 6 - 3 = \end{array}$$

| | |
|---|---|
| 4 | 2 |
| | |

$$\begin{array}{l} 2 + 2 = \\ 4 - 2 = \end{array}$$

Write the fact family for each group of numbers.

| | | |
|----|---|---|
| 10 | 3 | 7 |
| | | |

| | | |
|---|---|---|
| 3 | 9 | 6 |
| | | |

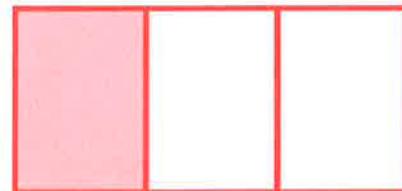
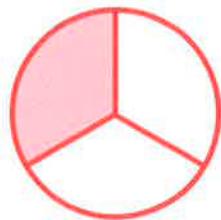
| | | |
|---|---|---|
| 6 | 8 | 2 |
| | | |

| | | |
|---|---|---|
| 5 | 7 | 2 |
| | | |

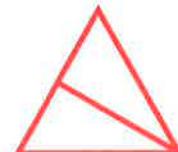
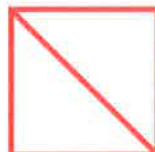
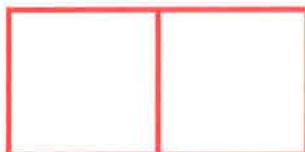


Fractions

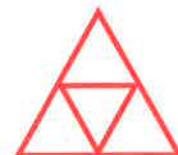
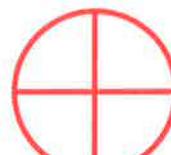
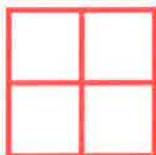
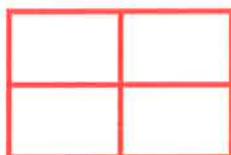
Colour one-third ($\frac{1}{3}$) of each shape.



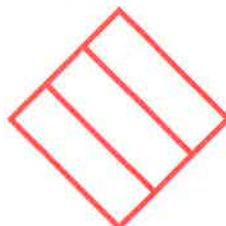
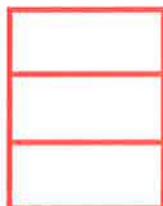
Colour one-half ($\frac{1}{2}$) of each shape.



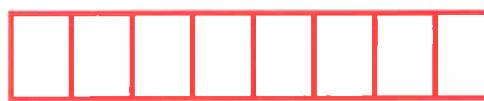
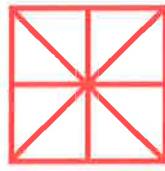
Colour one-fourth ($\frac{1}{4}$) of each shape.



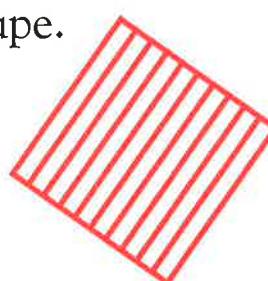
Colour one-third ($\frac{1}{3}$) of each shape.



Colour one-eighth ($\frac{1}{8}$) of each shape.



Colour one-tenth ($\frac{1}{10}$) of each shape.





Adding

Write the answers between the lines.

$$\begin{array}{r} 13 \\ + 16 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 11 \\ + 5 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 14 \\ + 5 \\ \hline 19 \end{array}$$

Write the answers between the lines.

$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ + 9 \\ \hline \end{array}$$

Write the answers between the lines.

$$\begin{array}{r} 2 \\ 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12\text{¢} \\ 6\text{¢} \\ + 10\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 12\text{¢} \\ 7\text{¢} \\ + 10\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 8\text{¢} \\ 1\text{¢} \\ + 6\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 3\text{¢} \\ 9\text{¢} \\ + 6\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 20\text{¢} \\ 7\text{¢} \\ + 10\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 15\text{¢} \\ 10\text{¢} \\ + 2\text{¢} \\ \hline \end{array}$$

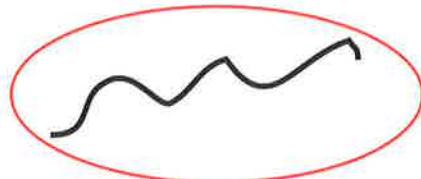
$$\begin{array}{r} 8\text{¢} \\ 10\text{¢} \\ + 4\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 10\text{¢} \\ 8\text{¢} \\ + 10\text{¢} \\ \hline \end{array}$$

Estimating length



Circle the longest string.



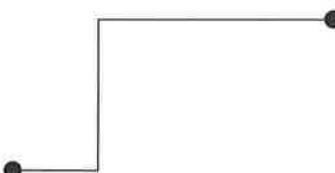
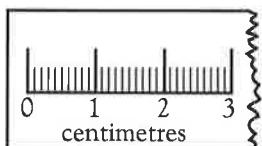
Circle the shortest string.



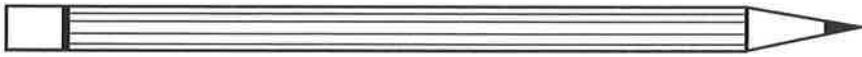
Circle the longest string.



Look at the ruler. Circle the closest measure.



1 centimetres 2 centimetres 4 centimetres 8 centimetres



2 centimetres 4 centimetres 11 centimetres 30 centimetres



5 centimetres 10 centimetres 15 centimetres 20 centimetres



Subtracting

Write the answers between the lines.

$$\begin{array}{r} 28 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 17 \\ \hline \end{array}$$

12

17

23

Write the answers between the lines.

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 28\text{¢} \\ - 16\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 46\text{¢} \\ - 35\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 39\text{¢} \\ - 26\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 48\text{¢} \\ - 37\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 56\text{¢} \\ - 35\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 39\text{¢} \\ - 28\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 50\text{¢} \\ - 47\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 48\text{¢} \\ - 38\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 40\text{¢} \\ - 8\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 50\text{¢} \\ - 26\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 41\text{¢} \\ - 14\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 44\text{¢} \\ - 36\text{¢} \\ \hline \end{array}$$

Simple tally charts and bar graphs



Look at the tally chart and then answer the question.

| | |
|------|--|
| blue | |
| red | |

How many votes did blue receive?

18

Look at the tally chart and then answer the questions.

Favourite ice cream flavours

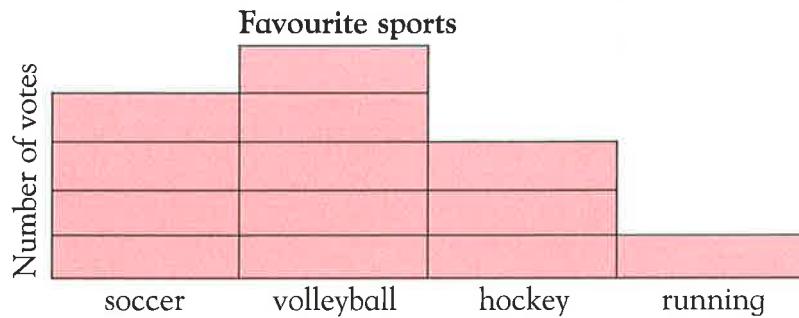
| | |
|------------|--|
| vanilla | |
| chocolate | |
| strawberry | |

Which flavour had the most votes?

Which flavour had 11 votes?

What was the difference in votes between the most popular flavour and strawberry?

Look at the bar graph and then answer the questions.



Which sport did four children vote for?

How many votes did volleyball receive?

Which was the least popular sport?

How many children voted altogether?

How many more voted for soccer than for hockey?



Addition properties

Circle the number that makes the sentence true.

$$\underline{\quad} + 7 = 7$$

$$43 + 21 = 21 + \underline{\quad}$$

1 **0** 14

22 64 **43**

Circle the number that makes the sentence true.

$$\underline{\quad} + 3 = 3$$

$$15 + \underline{\quad} = 15$$

0 3 6

30 0 5

$$\underline{\quad} + 23 = 23 + 16$$

$$25 + 41 = 41 + \underline{\quad}$$

16 23 46

16 66 25

$$\underline{\quad} + 45 = 45$$

$$50 + 0 = 0 + \underline{\quad}$$

45 0 1

50 0 500

Complete the number sentences.

$$\underline{\quad} + 27 = 27$$

$$40 + \underline{\quad} =$$

$$13 + 28 = 28 + \underline{\quad}$$

$$25 + 3 = \underline{\quad} + 25$$

$$\underline{\quad} + 0 = 47$$

$$16 + 43 = 43 + \underline{\quad}$$

$$2 + 28 = \underline{\quad} + 2$$

$$\underline{\quad} + 12 = 12$$

$$\underline{\quad} + 20 = 20 + 28$$

$$35 + \underline{\quad} = 35$$

$$\underline{\quad} + 0 = 10$$

$$20 + 8 = 8 + \underline{\quad}$$

$$\underline{\quad} + 0 = 47$$

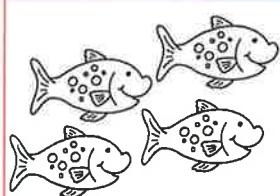
$$8 + \underline{\quad} =$$

$$34 + 11 = \underline{\quad} + 34$$



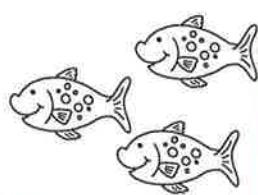
Equations

Circle the correct number sentence.

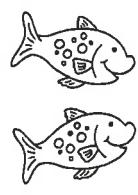


$7 + 3 = 10$

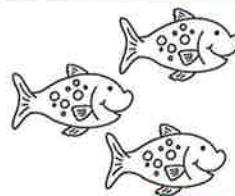
$4 + 3 = 7$



$4 - 3 = 1$



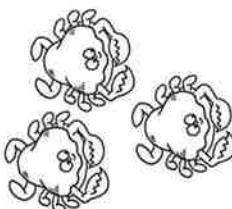
$2 + 4 = 6$



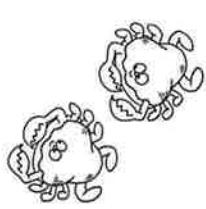
$2 + 3 = 5$

$5 - 3 = 2$

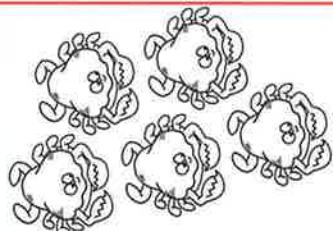
Circle the correct addition sentence.



$5 + 2 = 7$



$3 + 2 = 5$



$3 - 2 = 1$

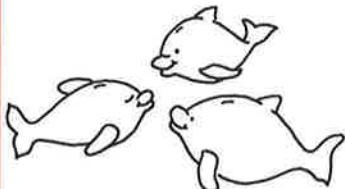
$4 + 2 = 6$



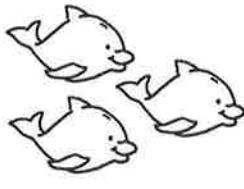
$5 - 1 = 4$

$5 + 1 = 6$

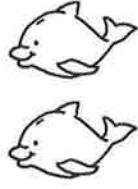
Circle the correct subtraction sentence.



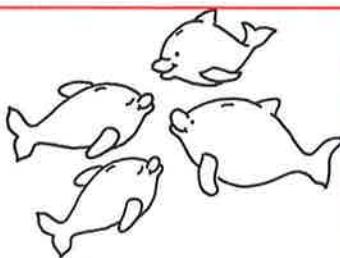
$3 + 3 = 6$



$3 - 3 = 0$



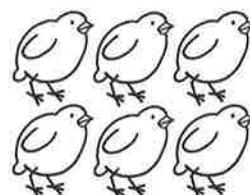
$6 - 3 = 3$



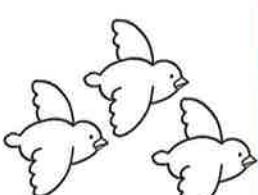
$6 + 2 = 8$

$4 - 2 = 2$

Circle the correct number sentence.



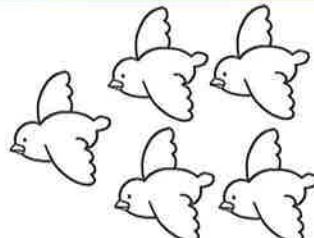
$9 - 3 = 6$



$5 - 3 = 2$



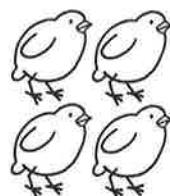
$6 - 3 = 3$



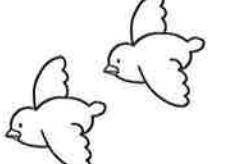
$5 - 2 = 3$

$2 + 5 = 7$

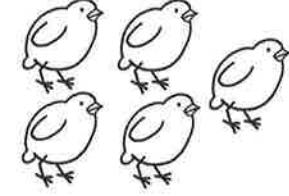
$7 - 5 = 2$



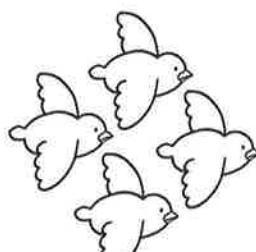
$6 - 4 = 2$



$4 + 2 = 6$



$6 + 2 = 8$



$5 - 1 = 4$

$4 + 5 = 9$

$9 - 4 = 5$



Picture graphs

Look at this picture graph. Then answer the questions.

Mina's marbles

| Color | Clear | Blue | Green | Red | Yellow |
|--------|-----------|------|-------|-----|--------|
| Clear | ● ● ● ● ● | | | | |
| Blue | ● ● ● | | | | |
| Green | ● ● ● | | ● | | |
| Red | ● ● ● | | | | |
| Yellow | ● | | | | |

How many blue marbles does Mina have?

Does Mina have more green marbles or yellow marbles?

How many marbles does Mina have in all?

Look at this picture graph. Then answer the questions.

Books on Pablo's shelf

| | | | | | | |
|-----------|------|------|------|------|------|------|
| Cats | book | book | book | | | |
| Sports | book | | | | | |
| Mysteries | book | book | book | book | | |
| Cartoons | book | book | book | book | book | book |
| Science | book | book | book | | | |

How many science books does Pablo have?

Does he have more books about cats than mysteries?

How many more cartoon books does he have than mysteries?

How many books about cats and science does he have?

Look at this picture graph. Then answer the questions.

Pets on Redmond Road

| | | | | | | | |
|-------|------|------|------|------|------|------|------|
| Cats | cat | cat | cat | cat | | | |
| Dogs | dog | dog | dog | dog | dog | | |
| Fish | fish | fish | fish | fish | fish | fish | fish |
| Birds | bird | bird | bird | | | | |

On Redmond Road, are there more cats or dogs?

How many more fish are there than dogs?

How many cats and dogs are there?

How many pets are there in all?

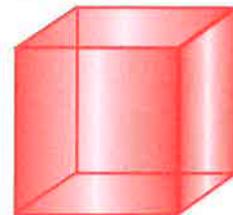
3-dimensional shapes



Write the name of each shape.



sphere



cube

Write the name of each shape. Use the words in the Word Box.

Word Box

sphere

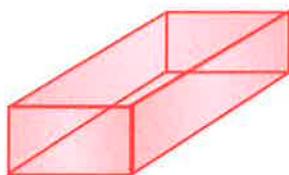
prism

cone

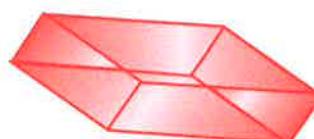
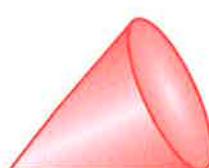
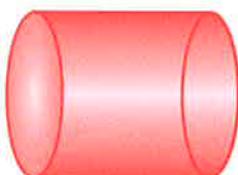
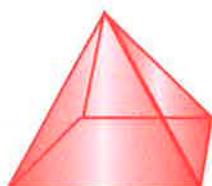
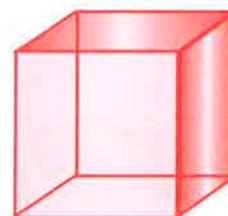
cube

cylinder

pyramid



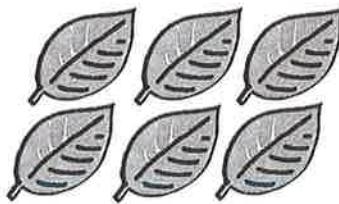
prism



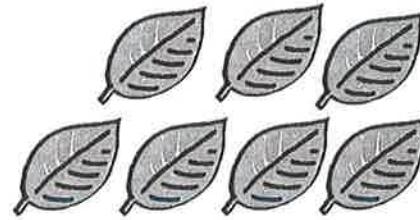


Missing addends

Write the missing addend.



$$6 + \boxed{7} = 13$$



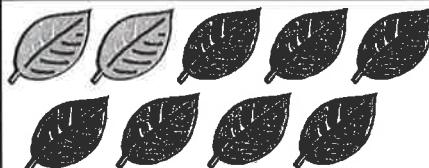
Write the missing addend.



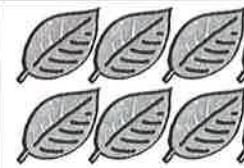
$$3 + \boxed{6} = 9$$



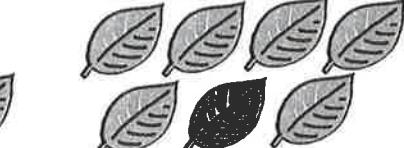
$$5 + \boxed{7} = 12$$



$$9 + \boxed{2} = 11$$



$$8 + \boxed{8} = 16$$



Write the missing addend.

$$3 + \boxed{4} = 7 \quad 5 + \boxed{9} = 14 \quad 9 + \boxed{3} = 12 \quad 8 + \boxed{2} = 10$$

$$7 + \boxed{5} = 12 \quad 7 + \boxed{8} = 15 \quad 7 + \boxed{5} = 12 \quad 9 + \boxed{8} = 17$$

$$7 + \boxed{6} = 13 \quad 8 + \boxed{6} = 14 \quad 10 + \boxed{3} = 13 \quad 4 + \boxed{9} = 13$$

$$4 + \boxed{3} = 7 \quad 3 + \boxed{6} = 9 \quad 2 + \boxed{9} = 11 \quad 8 + \boxed{5} = 13$$

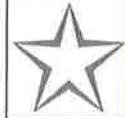
$$6 + \boxed{2} = 8 \quad 5 + \boxed{4} = 9 \quad 7 + \boxed{1} = 8 \quad 8 + \boxed{4} = 12$$

$$8 + \boxed{1} = 9 \quad 6 + \boxed{7} = 13 \quad 8 + \boxed{8} = 16 \quad 5 + \boxed{6} = 11$$

$$4 + \boxed{7} = 11 \quad 10 + \boxed{5} = 15 \quad 8 + \boxed{3} = 11 \quad 4 + \boxed{6} = 10$$

$$7 + \boxed{7} = 14 \quad 8 + \boxed{7} = 15 \quad 9 + \boxed{5} = 14 \quad 6 + \boxed{9} = 15$$

$$9 + \boxed{7} = 16 \quad 9 + \boxed{9} = 18 \quad 3 + \boxed{7} = 10 \quad 5 + \boxed{4} = 9$$



Reading tables

Read the table. Then answer the questions.

How old is Paul?

Ages of cousins

| NAME | AGE |
|-------|-----|
| Kinta | 8 |
| Paul | 7 |
| Clara | 9 |
| Meg | 7 |
| Lee | 6 |

Who is older than Kinta?

Who is the same age as Meg?

Who is the youngest?

Read the table. Then answer the questions.

Favourite juice

| | |
|-----------|---|
| Apple | 6 |
| Cranberry | 2 |
| Grape | 3 |
| Cherry | 1 |
| Orange | 9 |

How many people chose orange juice?

Which juice did 2 people choose?

How many more people like orange juice than apple juice?

Did more people choose grape juice or cranberry juice?

Read the table. Then answer the questions.

Mass of dogs

| NAME | Bear | Mike | Perry | Spike | Marca |
|-----------|------|------|-------|-------|-------|
| KILOGRAMS | 30 | 6 | 9 | 5 | 3 |

Which dog has a mass of more than 25 kilograms?

Which dog has a mass of less than 4 kilograms?

How much more mass does Perry have than Mike?

How much less mass does Spike have than Mike?



Adding

Write the answer in the box.

$$\begin{array}{r} 34 \\ + 13 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 26 \\ + 15 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 73 \\ + 27 \\ \hline 100 \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 26 \\ \hline \end{array}$$



Reading a calendar

Look at this calendar. Then answer the questions.

September

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

What day of the week is the first day of September on this calendar?

What date is the last Tuesday in September?

Look at this calendar. Then answer the questions.

July

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

How many days are in the month of July?

What day of the week is the last day of July on this calendar?

A camp starts on July 5 and ends on July 9. How many camp days are there?

The campers go swimming on Tuesday and Thursday. On which dates will they swim?

Look at this calendar. Then answer the questions.

November

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

What date is the first Sunday of November?

What day of the week is November 14?

How many Saturdays are shown in November?

Jenna's birthday is November 23. What day of the week is it?



Subtracting

Write the answer in the box.

$$\begin{array}{r} 6\ 13 \\ - 48 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 3\ 15 \\ - 26 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 6\ 12 \\ - 36 \\ \hline 36 \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 27 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 17 \\ \hline \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 48 \text{ cm} \\ - 18 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 49 \text{ cm} \\ - 36 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 47 \text{ cm} \\ - 27 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 45 \text{ cm} \\ - 44 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 49 \text{ cm} \\ - 47 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 38 \text{ cm} \\ - 26 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 39 \text{ cm} \\ - 4 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 47 \text{ cm} \\ - 47 \text{ cm} \\ \hline \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 43\text{¢} \\ - 17\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 41\text{¢} \\ - 24\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 43\text{¢} \\ - 36\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 51\text{¢} \\ - 46\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 50\text{¢} \\ - 44\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 51\text{¢} \\ - 37\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 53\text{¢} \\ - 46\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 54\text{¢} \\ - 44\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 50 \text{ cm} \\ - 34 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 50 \text{ cm} \\ - 47 \text{ cm} \\ \hline \end{array}$$

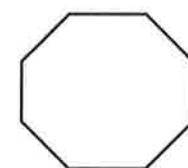
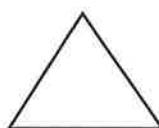
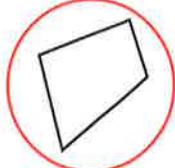
$$\begin{array}{r} 36 \text{ cm} \\ - 18 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 47 \text{ cm} \\ - 35 \text{ cm} \\ \hline \end{array}$$

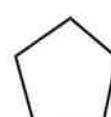
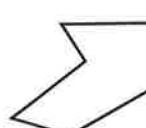
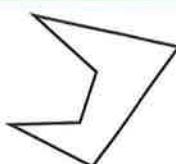
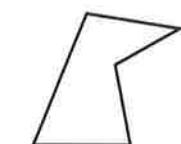
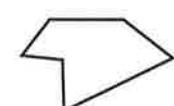
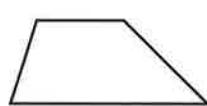
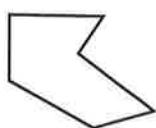
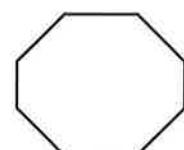
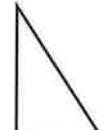
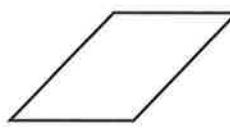
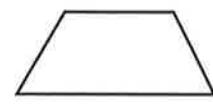
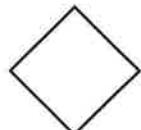
Properties of polygons



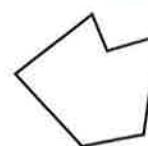
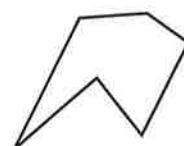
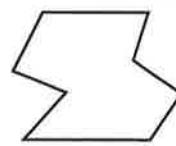
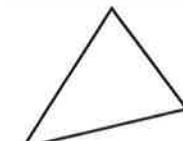
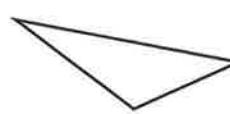
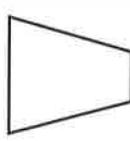
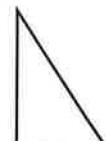
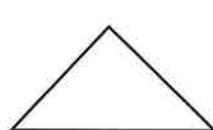
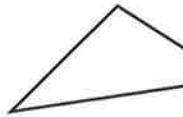
Circle the polygon that has the same number of sides.



Circle the polygon that has the same number of sides.



Circle the polygon that has a different number of sides.





Venn diagrams

Read the clues to find the secret number.

1, 2, 3, 4, 5

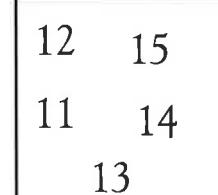
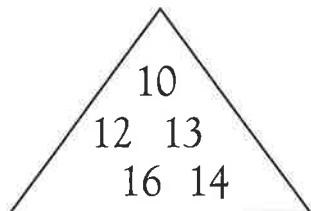
3, 5, 7

It is in both the rectangle and the circle.

It is greater than 3.

What number is it?

Read the clues to find the secret number.

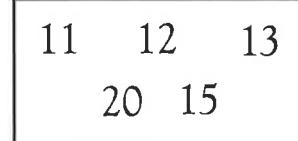
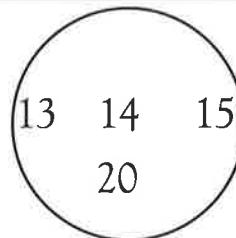
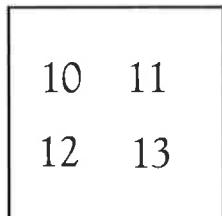


It is not in the square.

It is an even number.

It is less than 12.

What number is it?

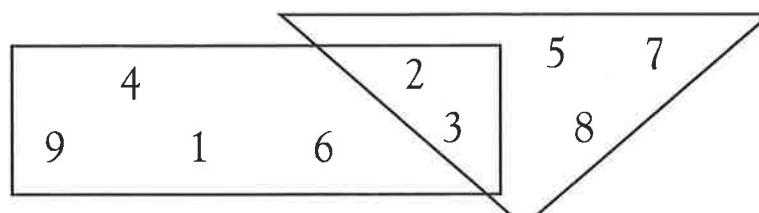


It is in the rectangle and the circle.

It is greater than 13 and less than 20.

It is an odd number.

What number is it?



It is not an even number.

It is in the triangle.

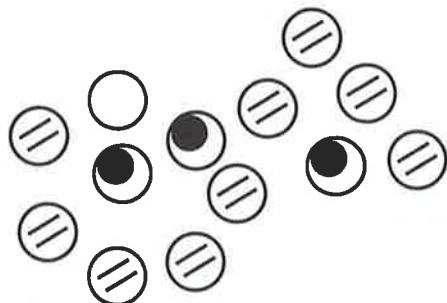
It is in the rectangle.

What number is it?

Most likely/least likely



Look at the marbles. Then answer the questions.



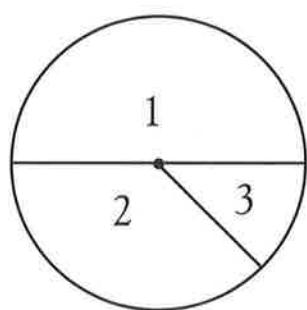
Which kind of marble would you be least likely to pick without looking?



Which kind of marble would you be most likely to pick without looking?



Look at the spinner. Then answer the questions.



Is the spinner more likely to land on 1 or 2?

Is the spinner more likely to land on 2 or 3?

Which number is the spinner most likely to land on?

Which number is the spinner least likely to land on?

Look at the tally chart. Then answer the questions.

Imagine that each time you shake the bag, one coin falls out.

Tally of coins in the bag

| COINS | TALLIES |
|----------|---------|
| Pennies | |
| Dimes | |
| Nickels | |
| Quarters | |

Is a penny or a dime more likely to fall out?

Is a quarter or a nickel more likely to fall out?

Which coin is most likely to fall out?

Which coin is least likely to fall out?

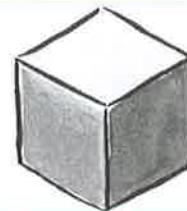


3-dimensional shapes

Write the name of each shape.



Sphere

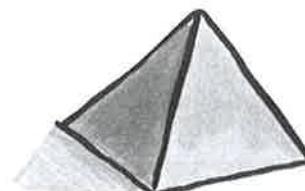
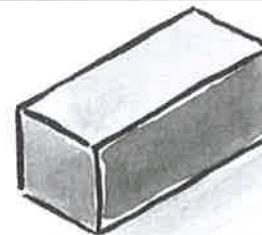
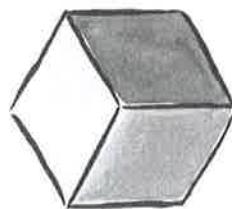


Cube

Write the name of each shape. Use the names in the Word Box.

Word Box

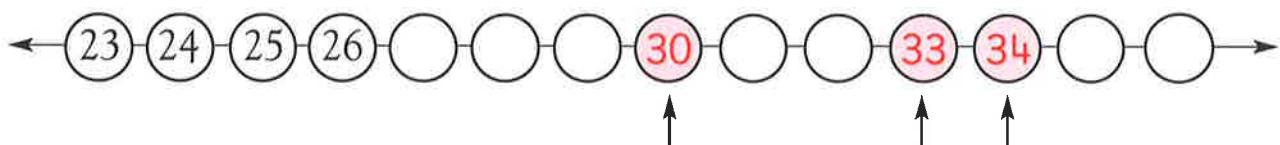
- Sphere
- Cube
- Cylinder
- Prism
- Pyramid
- Cone



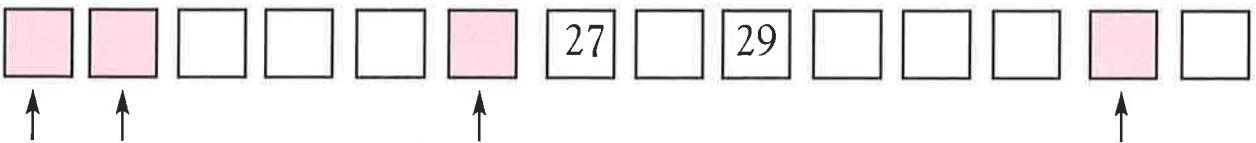
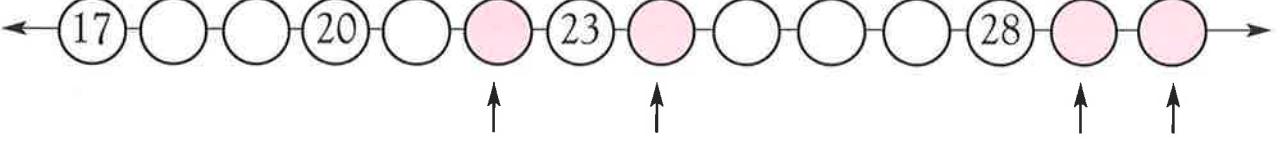
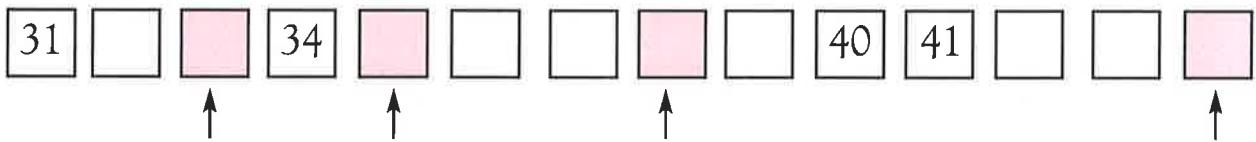
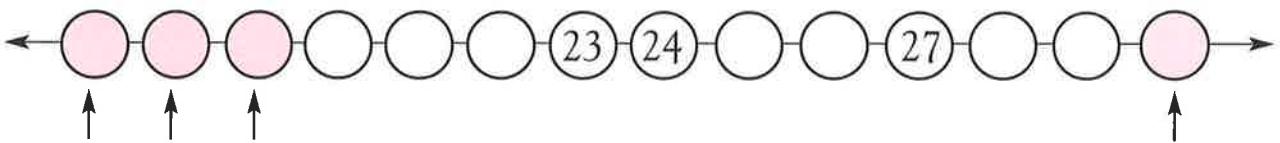
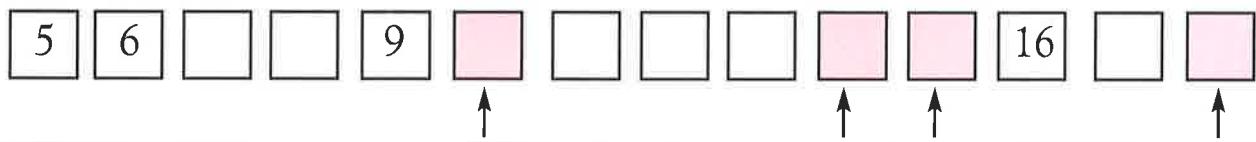
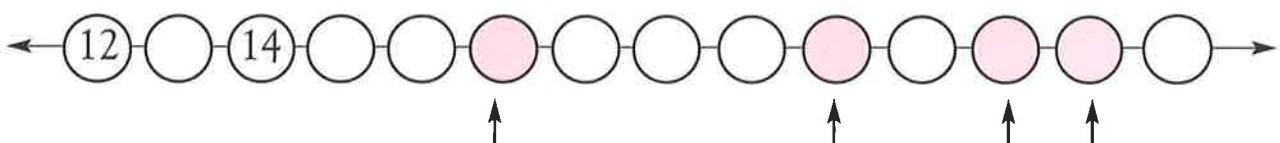


Counting

Write the missing number above each ↑.



Write the missing number above each ↑.





Finding patterns

Find the counting pattern. Write the missing numbers.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
|----|----|----|----|----|----|----|----|----|----|

Find the counting pattern. Write the missing numbers.

| | | | | | | | | | | |
|---|--|--|--|--|----|----|--|----|----|--|
| 5 | | | | | 25 | 30 | | 40 | 45 | |
|---|--|--|--|--|----|----|--|----|----|--|

| | | | | | | | | | | |
|--|--|---|--|--|--|----|----|----|--|----|
| | | 6 | | | | 18 | 21 | 24 | | 30 |
|--|--|---|--|--|--|----|----|----|--|----|

| | | | | | | | | | |
|----|----|--|----|--|--|--|----|--|----|
| 11 | 15 | | 23 | | | | 39 | | 47 |
|----|----|--|----|--|--|--|----|--|----|

| | | | | | | | | | |
|----|--|--|----|----|--|----|--|--|----|
| 21 | | | 27 | 29 | | 33 | | | 39 |
|----|--|--|----|----|--|----|--|--|----|

| | | | | | | | | | |
|----|----|--|--|--|--|--|----|--|----|
| 19 | 20 | | | | | | 26 | | 28 |
|----|----|--|--|--|--|--|----|--|----|

| | | | | | | | | | |
|---|----|----|--|--|--|--|----|----|--|
| 6 | 12 | 18 | | | | | 48 | 54 | |
|---|----|----|--|--|--|--|----|----|--|

| | | | | | | | | | |
|----|----|----|--|--|---|---|--|--|--|
| 19 | 17 | 15 | | | 9 | 7 | | | |
|----|----|----|--|--|---|---|--|--|--|

| | | | | | | | | | |
|--|--|----|--|--|----|----|--|----|----|
| | | 90 | | | 60 | 50 | | 20 | 10 |
|--|--|----|--|--|----|----|--|----|----|

| | | | | | | | | | |
|----|----|----|--|----|--|--|----|--|--|
| 10 | 20 | 30 | | 50 | | | 80 | | |
|----|----|----|--|----|--|--|----|--|--|

| | | | | | | | | | |
|--|--|----|--|--|--|--|----|----|----|
| | | 55 | | | | | 40 | 37 | 34 |
|--|--|----|--|--|--|--|----|----|----|

| | | | | | | | | | |
|----|--|--|----|--|----|--|----|--|---|
| 50 | | | 35 | | 25 | | 15 | | 5 |
|----|--|--|----|--|----|--|----|--|---|

| | | | | | | | | | |
|--|--|----|--|----|--|--|----|----|--|
| | | 38 | | 30 | | | 18 | 14 | |
|--|--|----|--|----|--|--|----|----|--|



Reading tally charts

Look at the tally chart. Then answer the questions.

Winners at Tag

| Kelly | Mark | Sandy | Rita | Brad |
|-------|------|-------|------|------|
| | | | | |

Who won the most games?

Who won more games, Sandy or Kelly?

How many more games did Rita win than Mark?

Look at the tally chart. Then answer the questions.

Colours of T-Shirts sold

| Colour | Tally |
|--------|-------|
| Blue | |
| White | |
| Green | |
| Black | |

Which colour shirt was sold most?

How many green shirts were sold?

Which colour sold more, blue or green?

How many black shirts were sold?

How many more green shirts were sold than white shirts?

How many more black shirts were sold than green shirts?

How many T-shirts were sold in all?

Look at the tally chart. Then answer the questions.

Snack choices

| Snack | Tally |
|----------|-------|
| Chips | |
| Cherries | |
| Cheese | |
| Cookie | |
| Apple | |

How many people chose chips?

Which snack did 7 people choose?

Did more people choose chips or cookies?

Which snack did the fewest people choose?

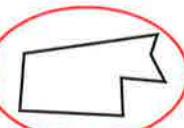
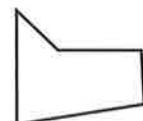
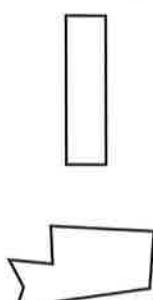
How many more people chose cheese than chips?

How many people chose apples and cherries?

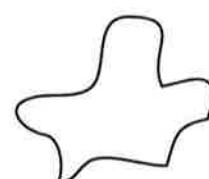
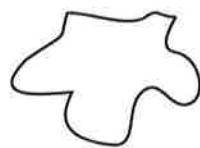
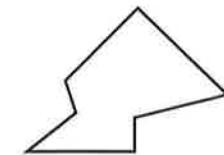
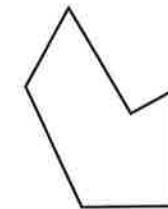
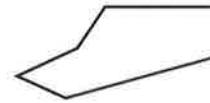
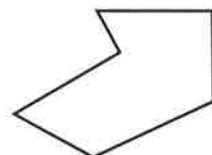
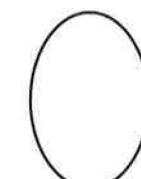
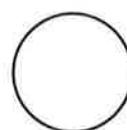
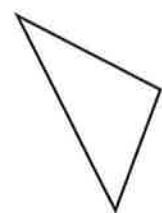
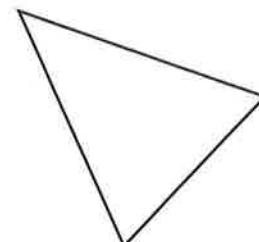
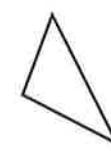
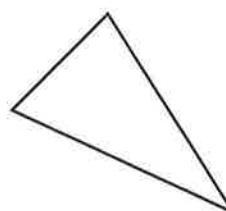
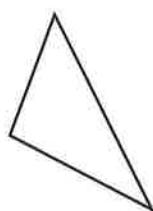


Same shape and size

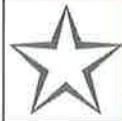
Which figure has same shape and size?



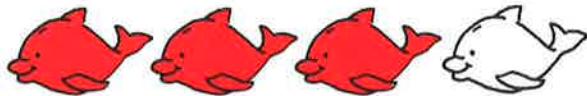
Circle the figure that has same shape and size.



Parts of a set



Write the fraction that shows the red part of the set.
How many of the fish are red?



How many ? 3
How many fish in all? 4

Write the fraction.
 $\frac{3}{4}$ part of the set
whole set

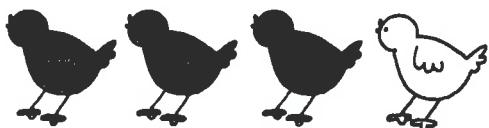
Circle the fraction that shows the shaded part of the set.



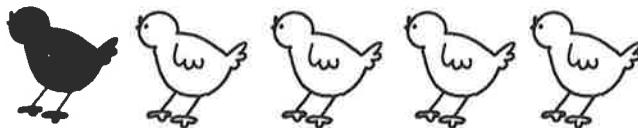
$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{2}$$



$$\frac{2}{3} \quad \frac{3}{5} \quad \frac{2}{5}$$

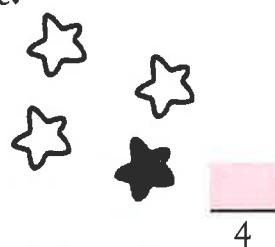
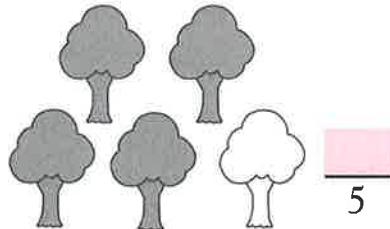
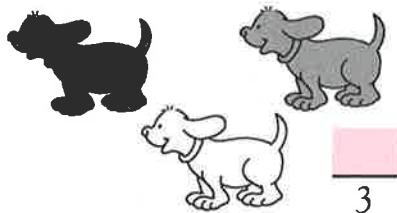


$$\frac{1}{4} \quad \frac{3}{4} \quad \frac{2}{4}$$



$$\frac{4}{5} \quad \frac{1}{5} \quad \frac{1}{4}$$

Write the fraction that shows the shaded part of the set.



$$\frac{\text{black crescents}}{5}$$

$$\frac{\text{white apples}}{7}$$

$$\frac{\text{black bows}}{8}$$

$$\frac{\text{white stars}}{7}$$

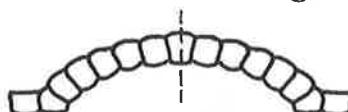
$$\frac{\text{dark grey snails}}{8}$$

$$\frac{\text{black mice}}{6}$$



Symmetry

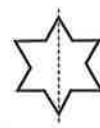
Hold a mirror along the dotted line. Does it show a line of symmetry?



yes

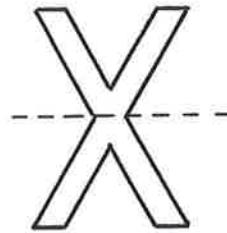
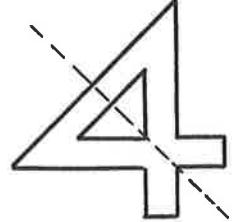
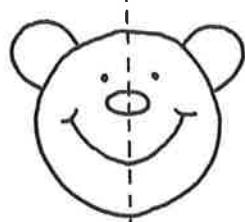
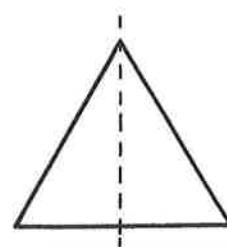
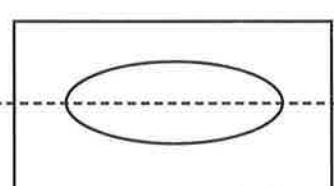
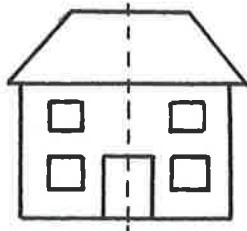
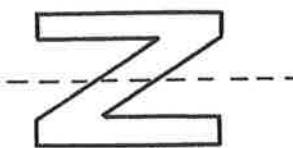
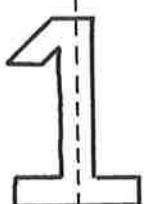
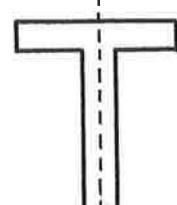
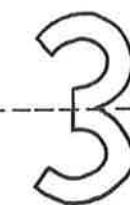


no



yes

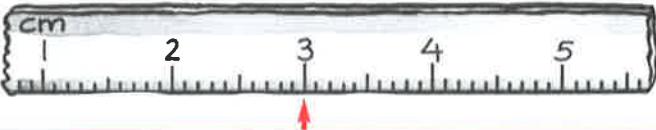
Does the dotted line show a line of symmetry? Write yes or no.



Measurement problems

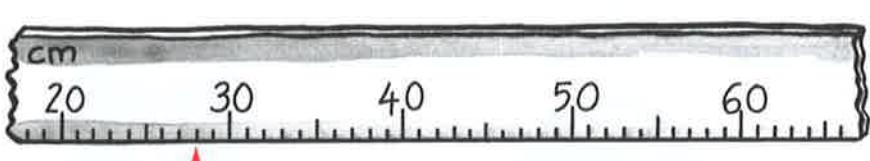
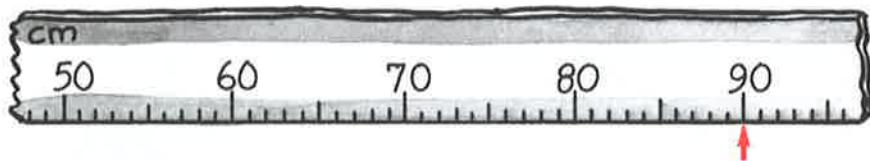
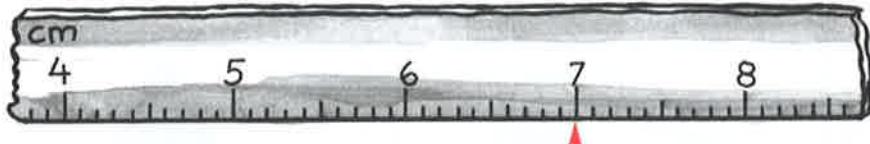


Write the measurement shown by the arrow.



3 cm

Write the measurement shown by the arrow.





3-dimensional shapes

Write the name of each shape in the box.

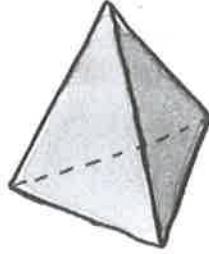
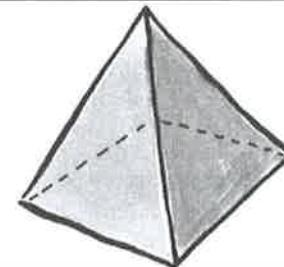
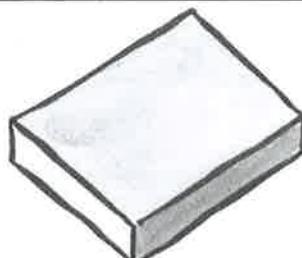
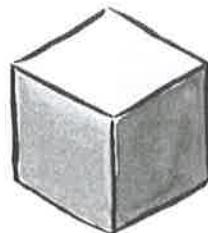


prism



sphere

Write the name of each shape in the box.



Answer Section with Parents' Notes

Grade 1 ages 6–7 Workbook

This section provides answers to all the activities in the book. These pages will enable you to mark your children's work, or they can be used by your children if they prefer to do their own marking.

The notes for each page help to explain common errors and problems and, where appropriate, indicate the kind of practice needed to ensure that your children understand where and how they have made errors.



3

Numbers and pictures

Count the animals, draw the dots, and write the number.

| | | | |
|--|---|--|-------|
| | 2 | | two |
| | 3 | | three |
| | 5 | | five |
| | 6 | | six |

Draw your own examples.

| | | | |
|--|---|--|------|
| | 1 | | one |
| | 4 | | four |

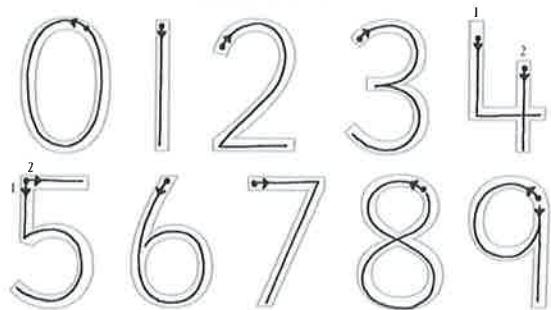
At this stage, it is more important for children to be able to read the word for each number than to be able to spell it without help. Children can refer to the number line of the Progress Chart. Children can learn correct spellings gradually.

2

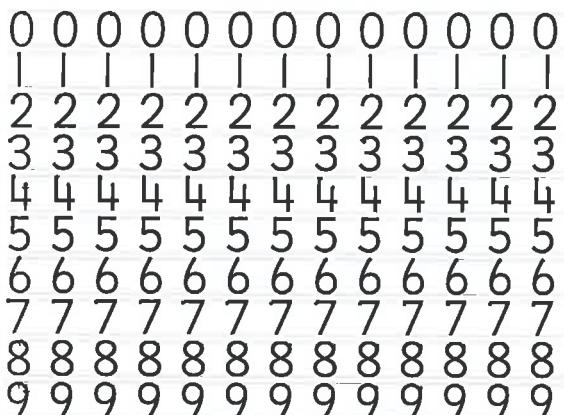


Numbers

Trace the numbers.



Write the numbers.



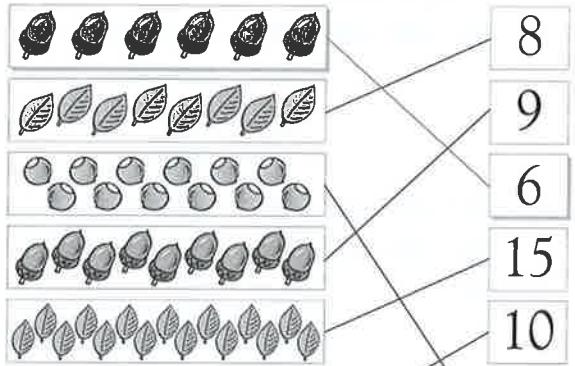
Throughout Grade 1, children will need regular writing practice to reinforce the correct movement of the pencil. Watch out for numerals written backward and for any numeral written from the bottom up. All numerals should begin at the top.

4



Counting

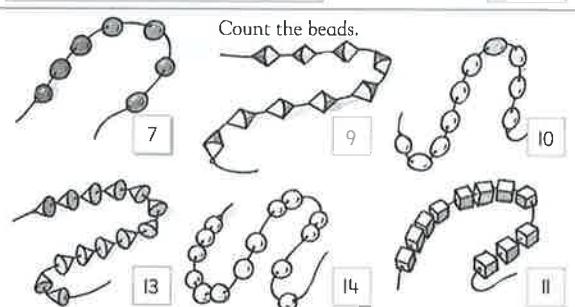
Connect each set to the correct number.



Draw your own set to match the number.



Count the beads.

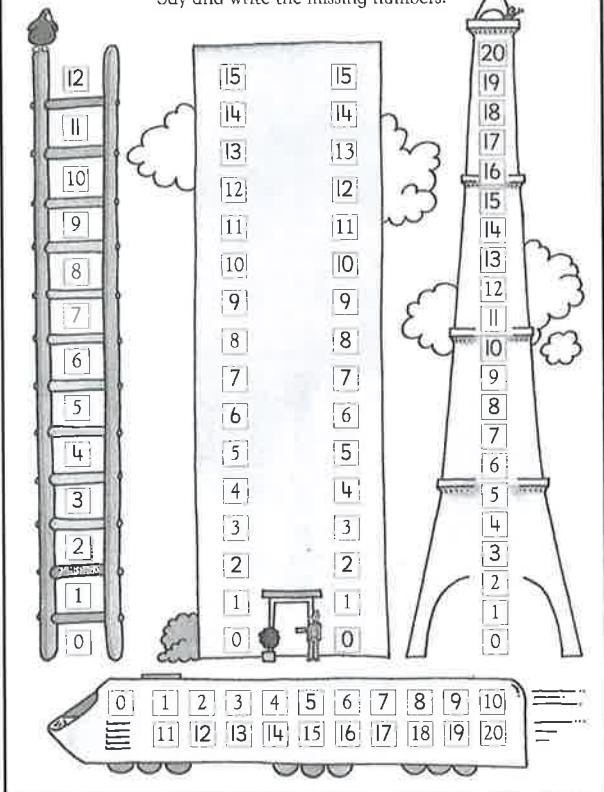


Counting and then re-counting to check an answer before writing anything down is a useful habit to develop. Some children will be able to count without pointing to the objects, but when re-counting, children may need to point to each item.

5

Counting out loud

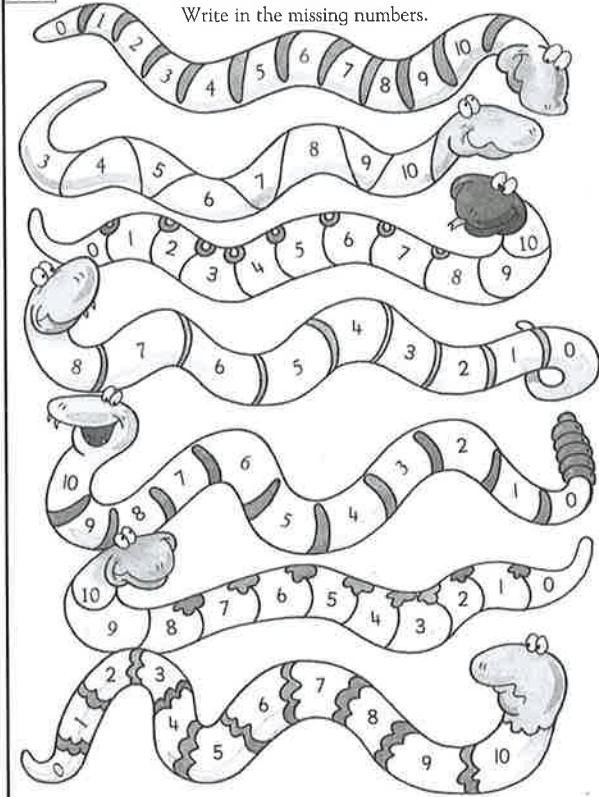
Say and write the missing numbers.



6

Missing numbers

Write in the missing numbers.



It is important that children say the numbers out loud while completing each picture to reinforce the pattern of sounds that the numbers make. This will help them acquire a sense of whether the sequence sounds right. Make sure that zero is included here.

7

Making 10

Colour some fish red, and write the correct numbers in the boxes.

| | | |
|--|-------|---------|
| | 4 red | 6 white |
| | 7 red | 3 white |
| | 9 red | 1 white |
| | 3 red | 7 white |

$4 + 6 = 10$

$7 + 3 = 10$

$9 + 1 = 10$

$3 + 7 = 10$

Write the missing numbers in the boxes to make 10.

$$\begin{array}{lll} 10 + \boxed{0} = 10 & 6 + \boxed{4} = 10 & 2 + \boxed{8} = 10 \\ 9 + \boxed{1} = 10 & 5 + \boxed{5} = 10 & 1 + \boxed{9} = 10 \\ 8 + \boxed{2} = 10 & 4 + \boxed{6} = 10 & 0 + \boxed{10} = 10 \\ 7 + \boxed{3} = 10 & 3 + \boxed{7} = 10 & \end{array}$$

The number of items shaded and the number of items unshaded must match the numbers written in the answer boxes. For the bottom activity, find out whether children have noticed the pattern as it develops.

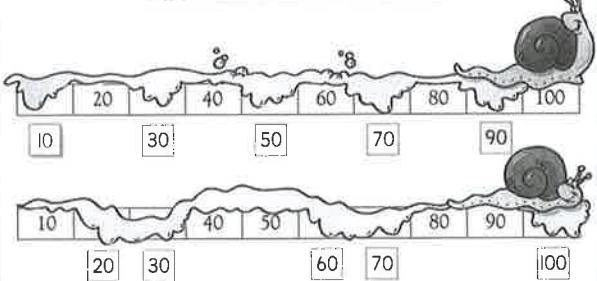
8

Count by 10s

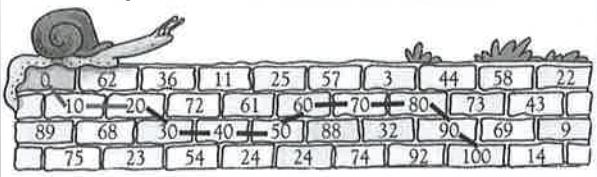
Match the numbers to the words.

| | | | | |
|---------|--------|--------|--------|-------------|
| fifty | ten | thirty | twenty | forty |
| 10 | 20 | 30 | 40 | 50 |
| 60 | 70 | 80 | 90 | 100 |
| seventy | ninety | sixty | eighty | one hundred |

Which numbers has the snail hidden?



Help the snail follow the bricks in the right order.



Help children recite the sequence and then say it in reverse, from 100 back down to 10.

Count by 2s

Fill in the “hops” and circle the even numbers.

Colour the even numbers.

| | | | | |
|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 |

Connect the dots in order.

Encourage children to read out loud the sequence of numbers they have found, e.g. 2, 4, 6, 8. For the grid activity (bottom left), make sure children notice the pattern. Point out that the shaded squares have even numbers and the others have odd numbers.

Adding machines

Add the numbers, and write the answers.

| | | | |
|---|------|----|------|
| 1 | = 2 | 2 | = 3 |
| 3 | = 4 | 4 | = 5 |
| 5 | = 6 | 6 | = 7 |
| 7 | = 8 | 8 | = 9 |
| 9 | = 10 | 10 | = 11 |

| | | | |
|----|------|----|------|
| 9 | = 11 | 8 | = 11 |
| 11 | = 13 | 10 | = 13 |
| 13 | = 15 | 12 | = 15 |
| 15 | = 17 | 14 | = 17 |
| 17 | = 19 | 16 | = 19 |

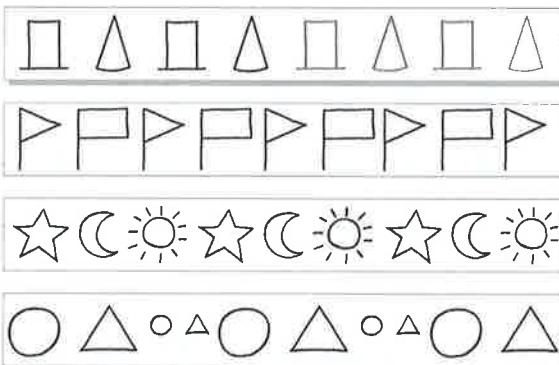
| | | | |
|----|------|----|------|
| 2 | = 6 | 3 | = 8 |
| 6 | = 10 | 7 | = 12 |
| 12 | = 16 | 11 | = 16 |
| 14 | = 20 | 13 | = 18 |
| 16 | = 20 | 15 | = 20 |

If children have difficulty with the exercises on the page, suggest to them that they use their fingers or counters to find the answers.

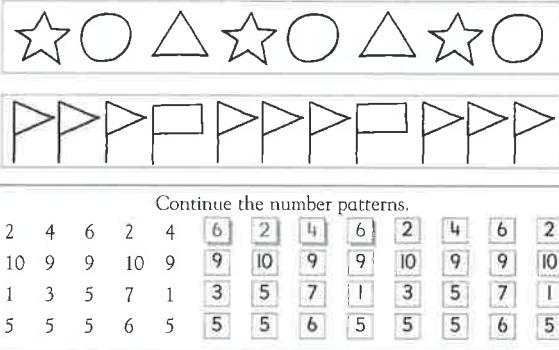


Patterns

Continue the pattern.



Make your own patterns.



Continue the number patterns.

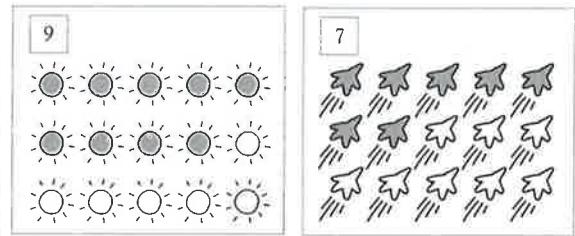
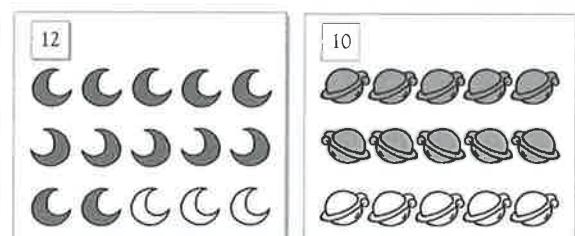
| | | | | | | | | | |
|----|---|---|----|---|---|----|---|---|----|
| 2 | 4 | 6 | 2 | 4 | 6 | 2 | 4 | 6 | 2 |
| 10 | 9 | 9 | 10 | 9 | 9 | 10 | 9 | 9 | 10 |
| 1 | 3 | 5 | 7 | 1 | 3 | 5 | 7 | 1 | 3 |
| 5 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 |

Encourage children to talk about their own patterns and to explain what they have done. Explain that a mathematical pattern must have elements that repeat or progress in a predictable way.

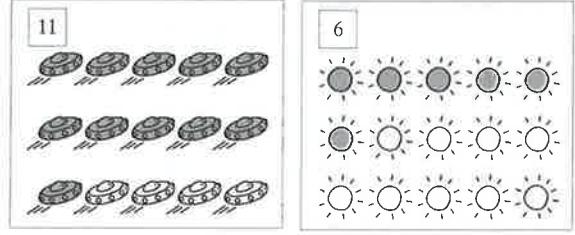


Reading numbers

Colour enough things to match the number in each box.



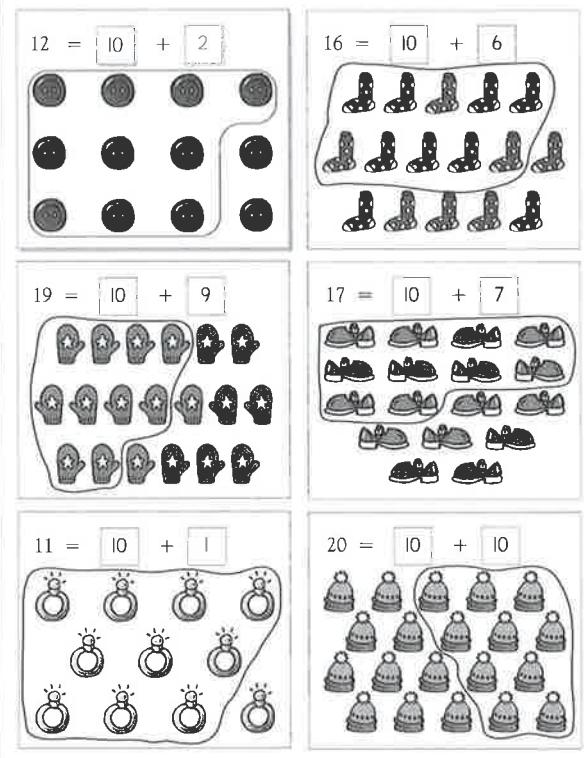
Draw your own example.



When checking the number of pictures children have coloured, encourage them to go back and re-count the pictures aloud. Children might find it helpful to point to each picture as they count it.

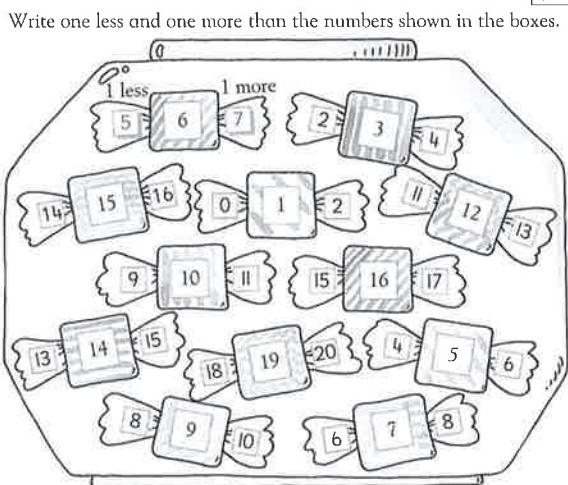
Finding 10s

Ring 10 items, and write the numbers.

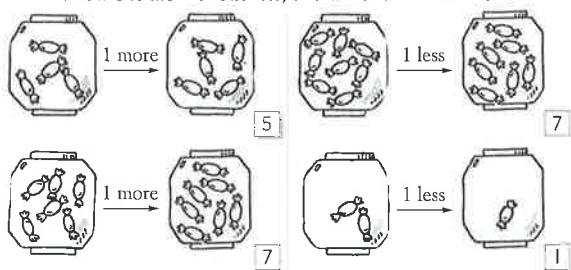


Make sure that each drawn ring does actually enclose 10 objects. If children ring any number of objects other than 10, they will arrive at an incorrect answer.

One more or one less?



Draw one more or one less, and write the new number.



Children might benefit from making up their own number stories about the candies. For example, Rebecca had 3 candies, but her mother said she could have 1 more. Rebecca has 4 candies now.

Tens and ones

How many tens and ones do you see?

| tens | ones | tens | ones | tens | ones |
|------|------|------|------|------|------|
| 1 | 4 | 1 | 7 | 2 | 0 |
| 14 | 17 | 20 | | | |

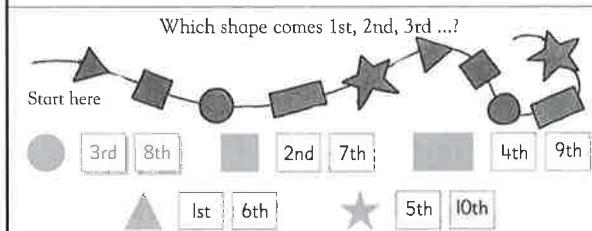
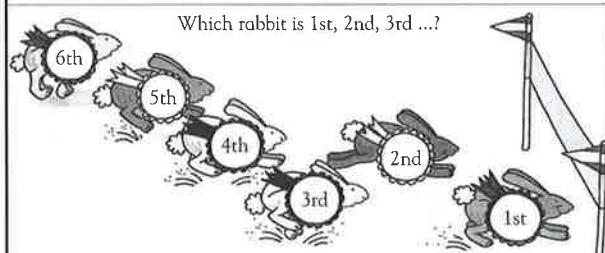
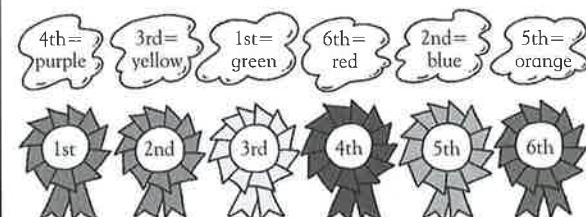
Draw the tens and ones.

| tens | ones | tens | ones | tens | ones |
|------|------|------|------|------|------|
| 1 | 9 | 1 | 5 | | |
| 19 | 15 | 3 | | | |

Make sure that children understand that the 1 in 14 stands for 1 ten, but the 1 in 41 represents 1 one.

Ordering

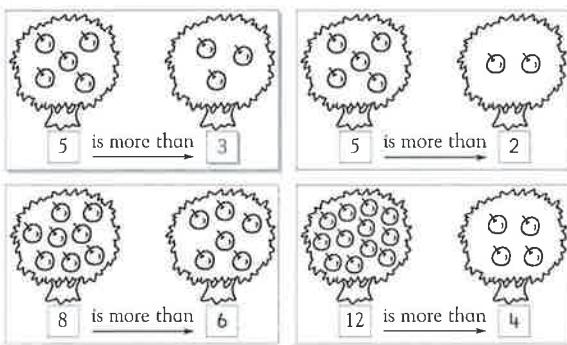
Colour the prize ribbons.



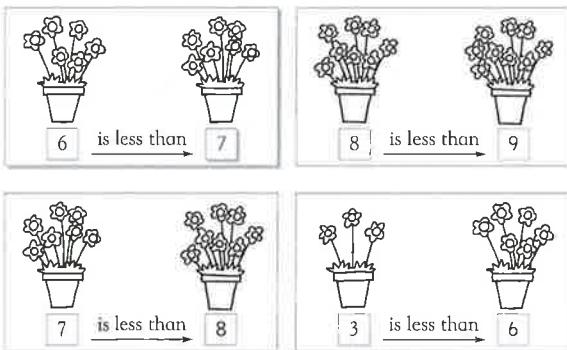
Make sure that children understand the relationship between the numbers and the ordinals, that position 3 is 3rd, position 10 is 10th, and so on.

More than or less than?

Fill in the apples and numbers that make each sentence true.



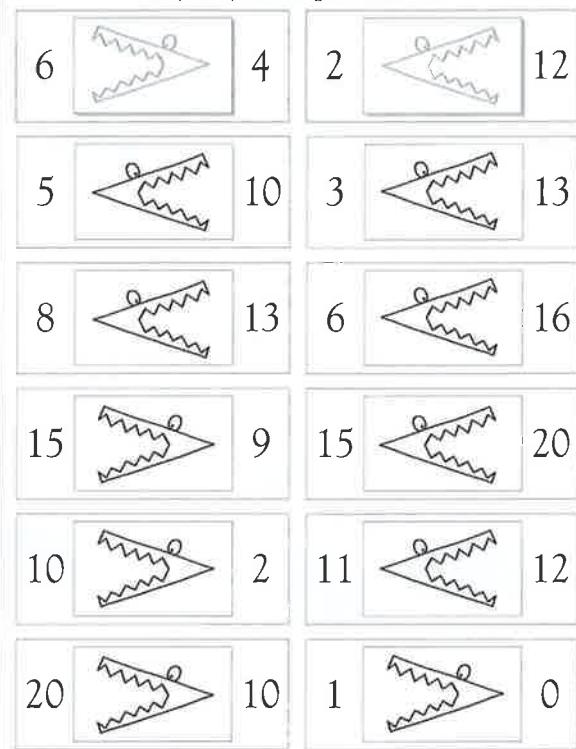
Fill in the flowers and numbers to make each sentence true.



Children's answers will vary. Make sure that the number of objects drawn matches the numeral written in the box and that the number sentence is valid.

Greater or less?

Draw the hungry crocodiles.
They always eat the greater numbers!

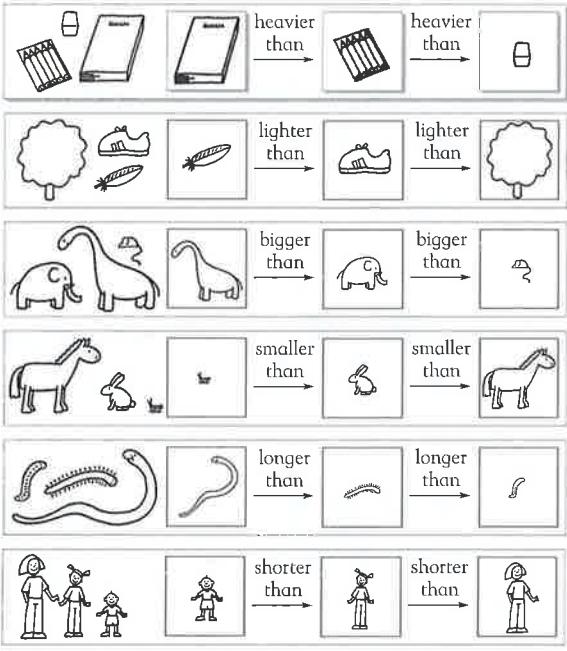


Make sure that children understand that the word *greater* means that one number is larger or higher in value than another. Make sure that children understand that even though 1 is a small number, it is greater than 0.

Comparing



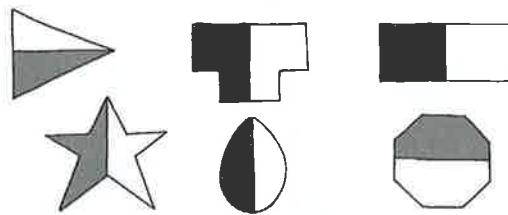
Draw the pictures to make each comparison true.



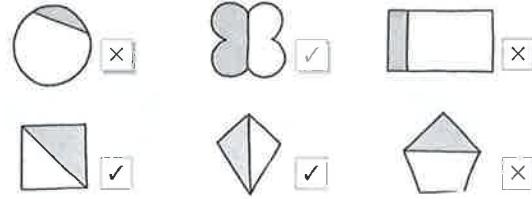
Make sure that children understand the kind of relationship among the three items that the comparative word describes.

Halves

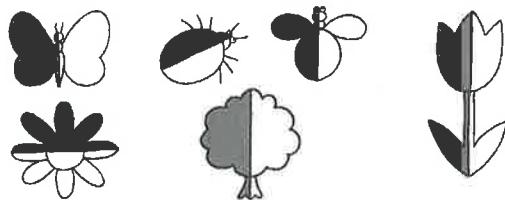
Colour one half ($\frac{1}{2}$) of each shape.



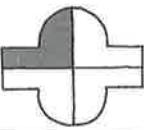
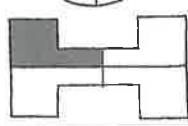
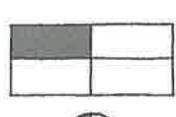
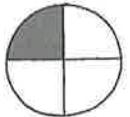
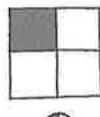
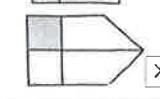
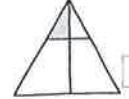
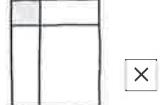
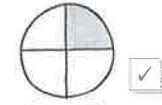
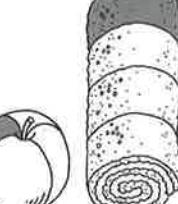
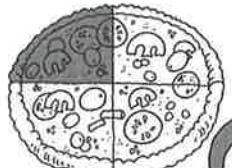
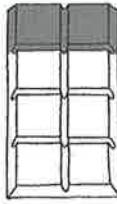
Write a ✓ in the box if $\frac{1}{2}$ the figure is shaded and a ✗ if less than $\frac{1}{2}$ is shaded.



Colour one half ($\frac{1}{2}$) of each figure.



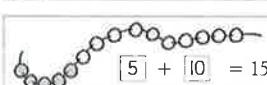
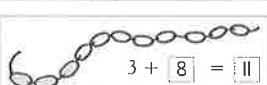
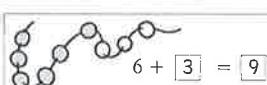
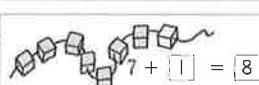
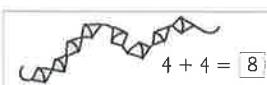
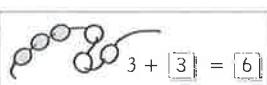
Make sure that children understand that the two halves of something must be exactly the same size.

QuartersColour one quarter ($\frac{1}{4}$) of each shape.Write a ✓ in the box if $\frac{1}{4}$ of the figure is shaded and a ✗ if less than $\frac{1}{4}$ is shaded.Colour one quarter ($\frac{1}{4}$) of each picture.

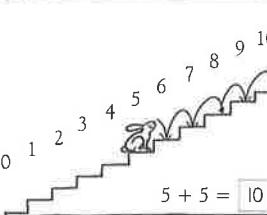
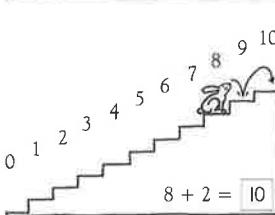
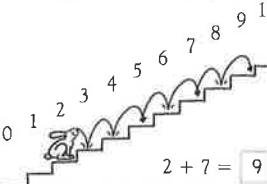
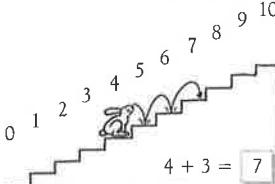
Make sure children understand that the four quarters of something must be exactly the same size.

Adding up

Fill in the missing numbers, and add.



Count on to find out on which step the rabbit stops.

**Adding animals**

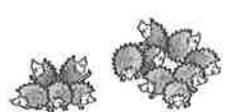
Count and add the animals, and then write the new number.



$2 + 6 = 8$



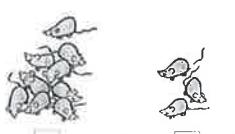
$7 + 7 = 14$



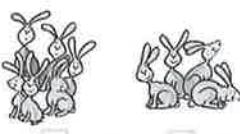
$5 + 8 = 13$



$8 + 9 = 17$



$9 + 3 = 12$



$6 + 4 = 10$

Fill in the missing numbers in the equations.

$7 + 4 = [11]$

$3 + [9] = 12$

$6 + 6 = [12]$

$9 + 5 = [14]$

$2 + 8 = [10]$

$3 + 11 = [14]$

$9 + 3 = [12]$

$6 + [4] = 10$

$13 + [4] = 17$

$2 + [3] = 5$

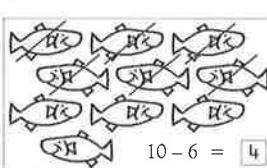
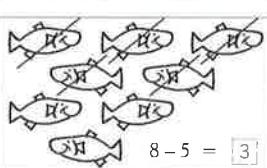
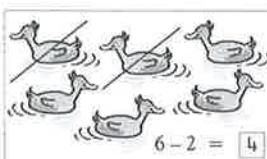
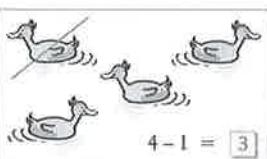
$16 + [0] = 16$

$15 + [4] = 19$

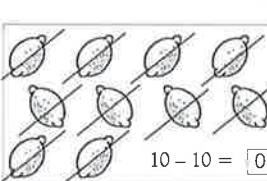
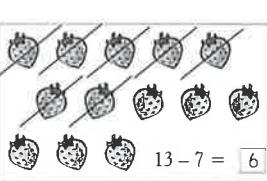
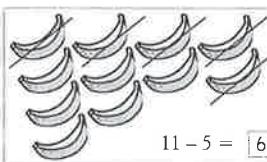
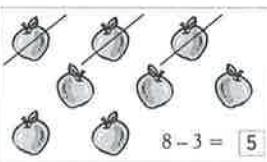
Children can solve these problems by counting on. They might also find it helpful to check their answers by using a number line.

Subtracting

Cross out the correct number of animals, and fill in the answers.

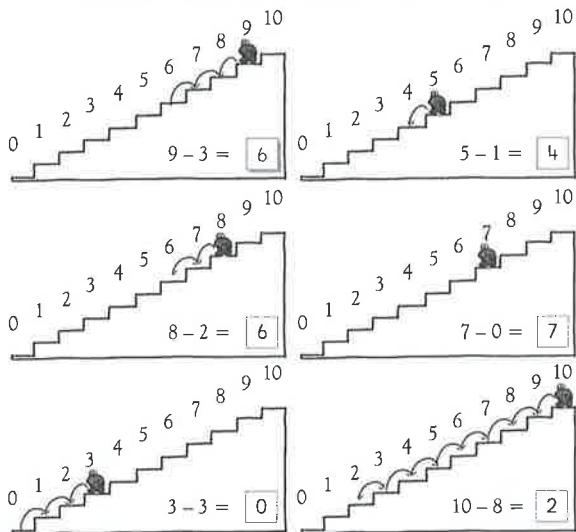


Cross out the correct number of fruits, and fill in the answers.

Make sure children understand the terms *cross out* and *left*. Guide children to see that crossing out a picture is a way of "taking away".

Counting back

Count back to find out on which step the frog stops.



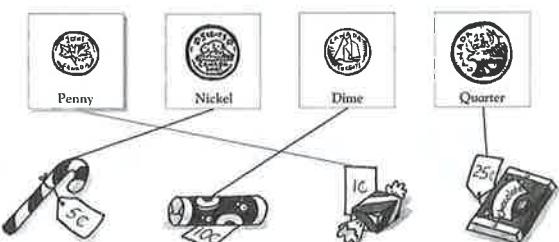
Write the missing numbers in the boxes.

| | | | |
|-----------------------|------------------------|----------------------|-----------------------|
| $3 - 3 = \boxed{0}$ | $20 - 10 = \boxed{10}$ | $9 - \boxed{3} = 6$ | $15 - \boxed{10} = 5$ |
| $5 - 4 = \boxed{1}$ | $8 - 8 = \boxed{0}$ | $5 - \boxed{5} = 0$ | $20 - \boxed{16} = 4$ |
| $15 - 4 = \boxed{11}$ | $19 - 9 = \boxed{10}$ | $6 - \boxed{4} = 2$ | $18 - \boxed{7} = 11$ |
| $10 - 9 = \boxed{1}$ | $16 - 9 = \boxed{7}$ | $10 - \boxed{6} = 4$ | $13 - \boxed{3} = 10$ |

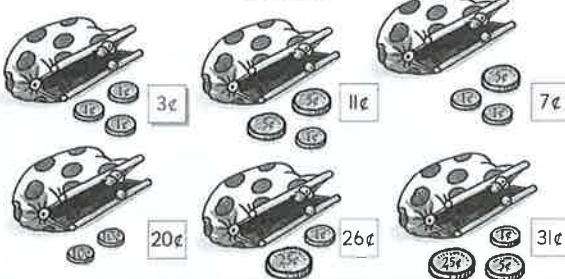
Make sure children understand that counting back is simply the reverse of counting on. Some children might find it helpful to use a number line to check the answers.

Money

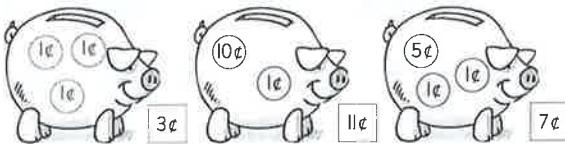
Which coin?



How much?



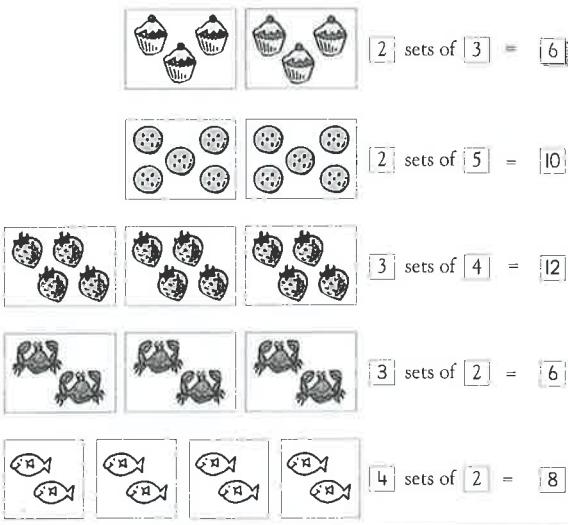
Put the correct change in the piggy bank.



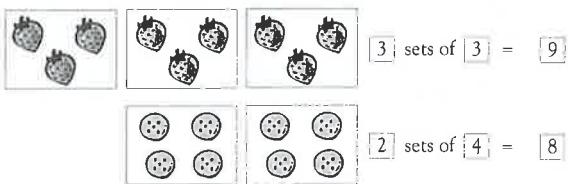
In the last activity, a number of combinations could be correct, and it might be helpful to re-count the amounts with children. For example: 1¢ 1¢ 1¢ 1¢ 1¢ 1¢ or 5¢ 1¢ 1¢. Encourage children to use fewer coins when possible.

Sets

Write the missing numbers in the boxes.



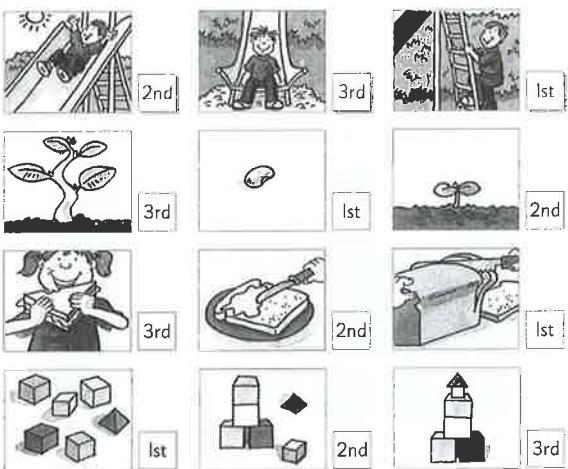
Draw pictures in the boxes to match the equations.



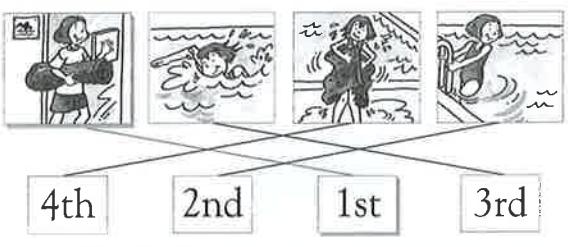
Talk with children about the pictures and what they show. If children have difficulties, make sure they haven't simply added the two numbers given beside the sets, e.g. 2 sets of 3 added together to make 5.

Ordering stories

Which happens 1st, 2nd, and 3rd?



Match the pictures to the order in which they happened.

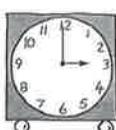


Ask children to explain their reasons for each set of pictures in a particular way. If children have difficulty with the last set of pictures, point out that the girl's hair is dry when she is standing on the ladder into the pool.

Time



Write the time in each box.



3 o'clock



5 o'clock

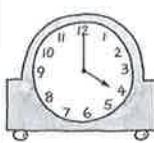


8 o'clock

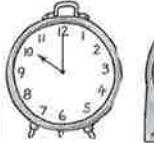


11 o'clock

Draw the hands on the clock faces.



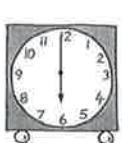
4 o'clock



10 o'clock



1 o'clock

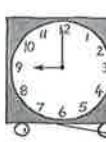


6 o'clock

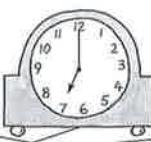
Match the times to the clocks.



12 o'clock



7 o'clock



2 o'clock



9 o'clock

Explain to children that when the hour hand (the short hand) points exactly to an hour, the minute hand (the long hand) should point exactly to 12 on the clock face.

2-dimensional shapes



= yellow



= green

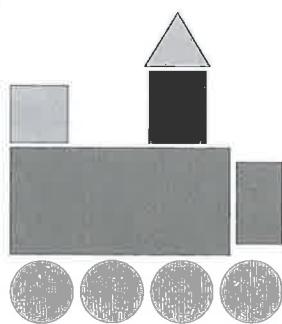


= purple



= blue

Colour the shapes.



How many?

| | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1 | 1 | 4 | 3 |

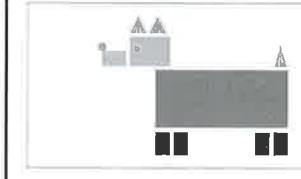
Colour the shapes.



How many?

| | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | 3 | 0 | 3 |

Draw a picture using the shapes shown on this page. How many?



| | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 0 | 3 | 2 | 7 |

For the last activity, talk to children about their pictures. Encourage them to name each shape used and to state how many of each shape they used.

Graphs



How many pets?

Number of pets

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| 1 | 2 | 3 | 1 | 2 | 3 | 4 | 6 |
| | | | | | | | |
| 4 | 2 | 3 | 1 | 1 | 3 | 2 | 6 |
| | | | | | | | |

Pets

Draw the pet that matches the number.

6

2

1

How many shapes?

Number of shapes

| | | | | | |
|---|---|---|---|---|--|
| | | | | | |
| 3 | 1 | 6 | 0 | 4 | |
| | | | | | |
| 3 | 1 | 6 | 0 | 4 | |
| | | | | | |

Shapes

Which shape matches each number?

4

0

3

Talk with children about the graphs and what they show. Discuss the numbers and labels on the graphs and what they mean. Explain that graphs show information that can be used to solve problems.

3-dimensional shapes



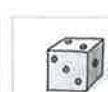
cube

prism

sphere

pyramid

Match the shapes to the names.



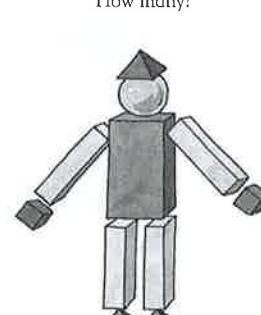
pyramid

sphere

cube

prism

How many?



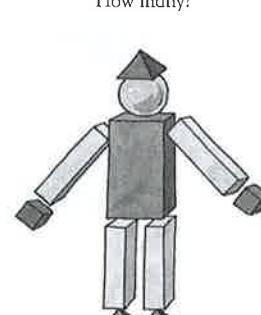
2

5

3

1

How many?



3

5

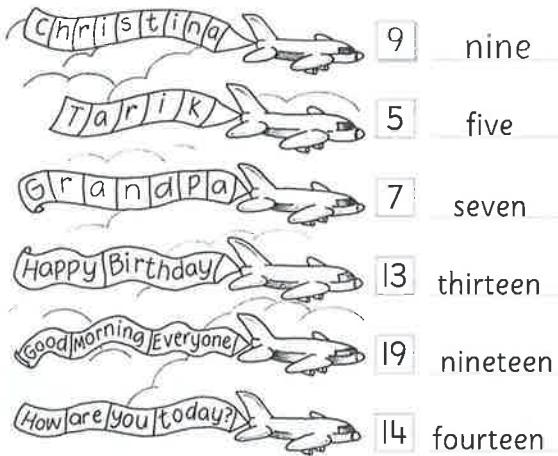
2

3

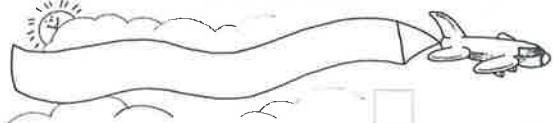
Make sure that children recognize the same shapes when they are positioned differently. For example, they should recognize an upside-down pyramid.

Writing numbers

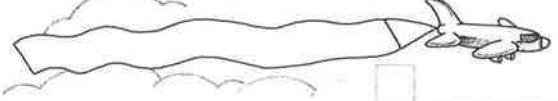
Count, write, and say the number of letters.



Write your name.



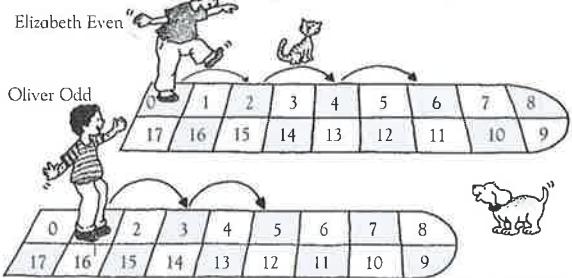
Make up your own message.



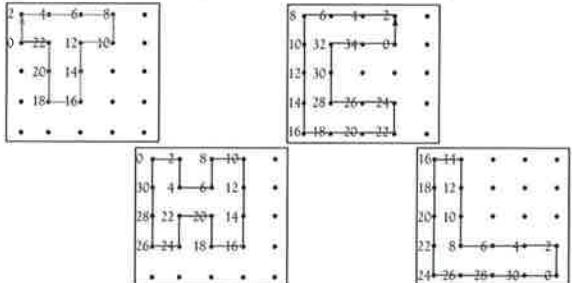
Make sure that children understand they are to write the *number* of letters in the names and spell out the numbers. Praise their attempts if they are able to recognize letter patterns such as *teen* and use them to spell numbers such as *fourteen*, etc.

Counting on by 2s

Hop by 2s. Colour the squares.



What letters will you find? Say the numbers as you draw.



Write the numbers.

Even numbers
2 4 6 8 10 12 14 16 18 20

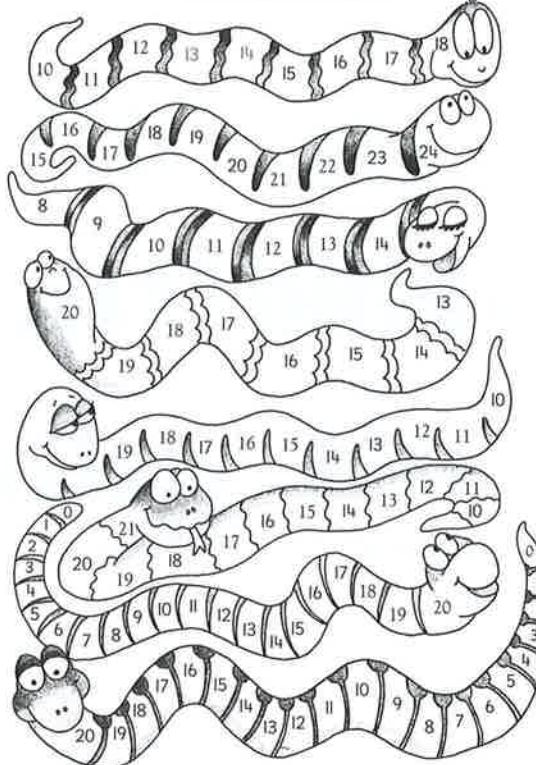
Odd numbers
1 3 5 7 9 11 13 15 17 19

Talk with children about the difference between Elizabeth Even's hops and Oliver Odd's hops. Tell them that counting by 2s is the same as counting every other number. Have children recite the sequences to become familiar with them.



Counting

Write the missing numbers.

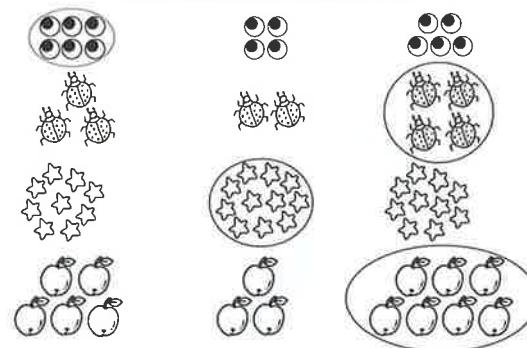


Some children may find it difficult to "cross over" a ten, e.g., from 19 to 20, 21 and so on. Encourage them to see that after a number ends in 9, the next number ends in 0, and then the counting sequence begins again.

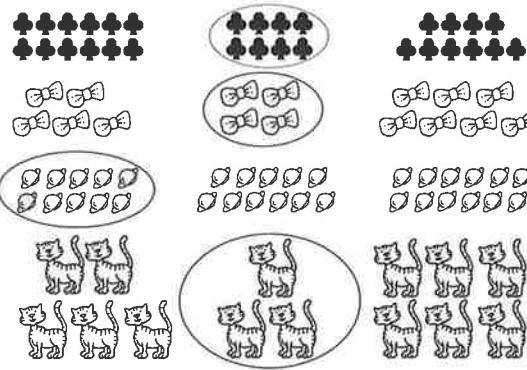


Most and least

Circle the set with the most items in it.



Circle the set with the least items in it.



Children might need to count each set individually to find out which of three sets of items has the most or the least. Children can use counters, if necessary.

Counting by 10s



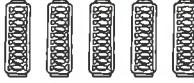
Use this number line to help you.

0 zero 10 ten 20 twenty 30 thirty 40 forty 50 fifty 60 sixty 70 seventy 80 eighty 90 ninety 100 one hundred

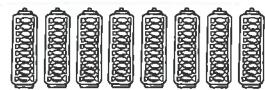
How many candies? Count, say, and write.



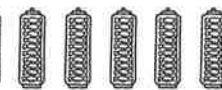
30 thirty



50 fifty



80 eighty



60 sixty



40 forty



70 seventy

Put the numbers in the right order.

10 60 100 50 20 70 90 30 40 80
10 20 30 40 50 60 70 80 90 100

Greatest first

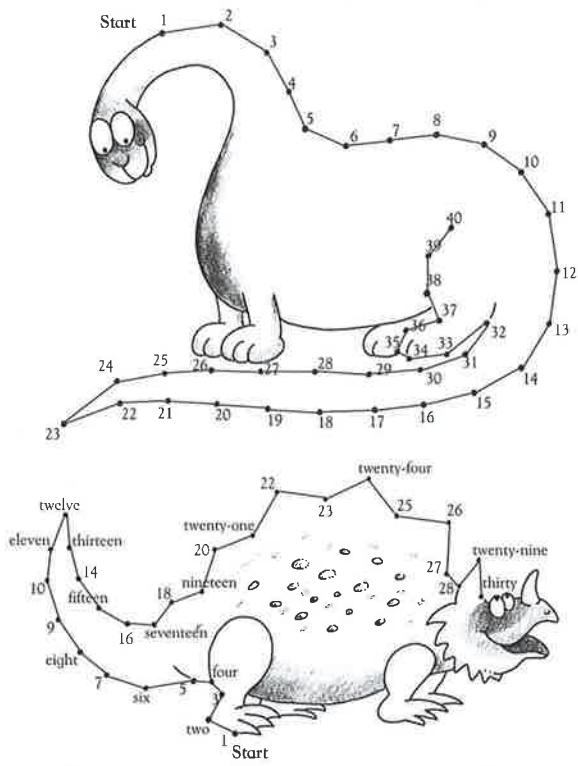
100 90 80 70 60 50 40 30 20 10

Point out the link between the sounds of some numbers, such as six and sixty, but also point out the exceptions. Check the spelling of *forty* (not *fourty*). Also point out that 100 is *one hundred*, not *ten-ty*, and 20 is *twenty*, not *two-ty*.

Reading numbers



Connect the numbers, and complete the drawings.

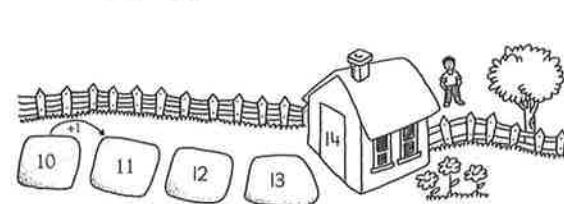
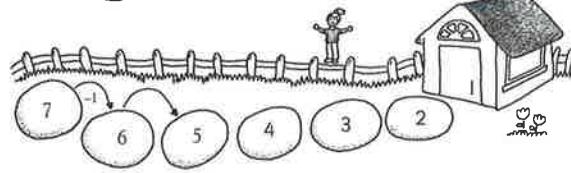
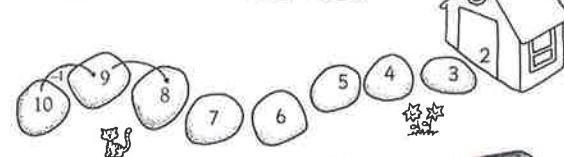
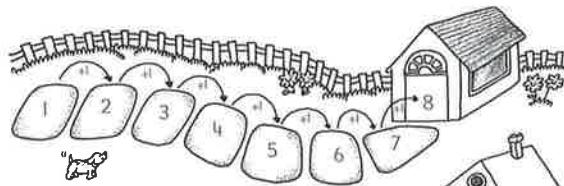


Encourage children to use the counting sequence to help them connect the numbers. For the second picture, help students to see that the counting sequence is the same, but some of the numbers are words.

Counting forward or back



Draw pathways by writing the missing numbers.



If children have difficulty, let them work with a number line, using both hands. Tell them to keep one finger on the number they are starting from and to use the other hand to count. This way, they will not count the starting number.

Tens and ones



Write the tens and ones.

| tens | ones | tens | ones | tens | ones | tens | ones |
|------|------|------|------|------|------|------|------|
| 5 | 5 | 1 | 0 | 3 | 0 | 2 | 0 |
| 2 | 3 | 1 | 9 | 3 | 0 | 2 | 5 |
| 23 | 19 | 30 | 25 | | | | |

Draw and write the tens and ones.

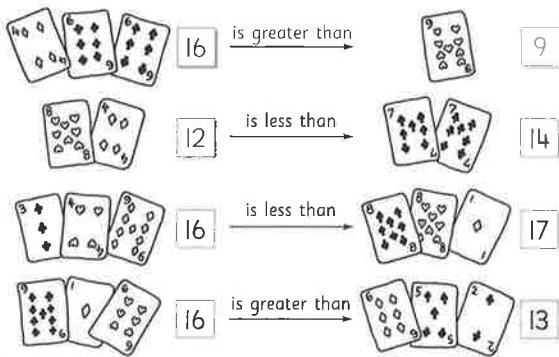
| tens | ones | tens | ones |
|------|------|------|------|
| 5 | 5 | 5 | 5 |
| 2 | 9 | 3 | 4 |
| 29 | 34 | | |

Breaking large numbers into parts makes adding them easier. So, $22 + 14$ becomes $20 + 2 + 10 + 4$. Adding the ones first gives $2 + 4 = 6$ and the tens next gives $20 + 10 = 30$. The two partial answers can then be combined to give $30 + 6 = 36$.

Comparisons



Add the values, and write *is greater than* or *is less than*.



Write the numbers that are 1 more, 1 less, or between.

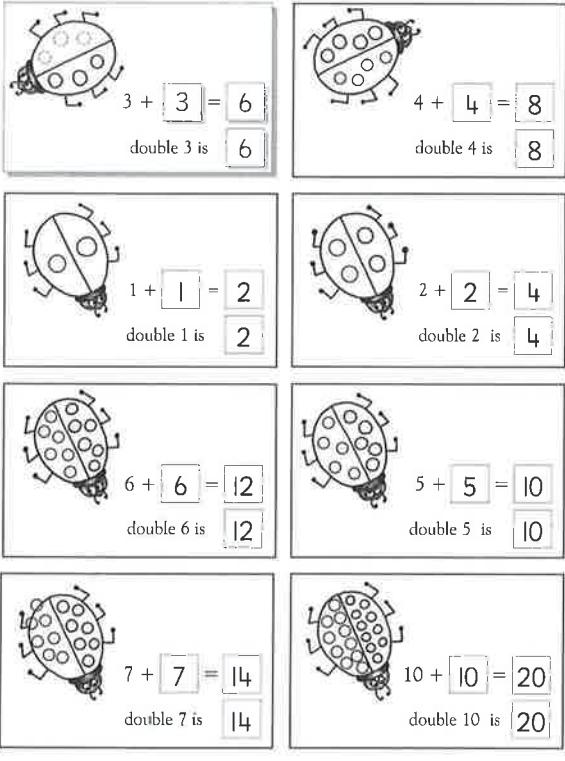
| 1 less | between | 1 more | 1 less | number | 1 more |
|--------|---------|--------|--------|---------|--------|
| 20 | 21 | 22 | 25 | 26 | 27 |
| number | between | number | 1 less | number | 1 more |
| 19 | 20 | 21 | 28 | 29 | 30 |
| 1 less | number | 1 more | number | between | number |
| 10 | 11 | 12 | 30 | 31 | 32 |

Children should make use of addition facts to determine totals. If they manage the greater-than and less-than part of the page well, they could then find out how much greater or less one number is than another.

Spot the doubles



Draw the missing spots and write the numbers.

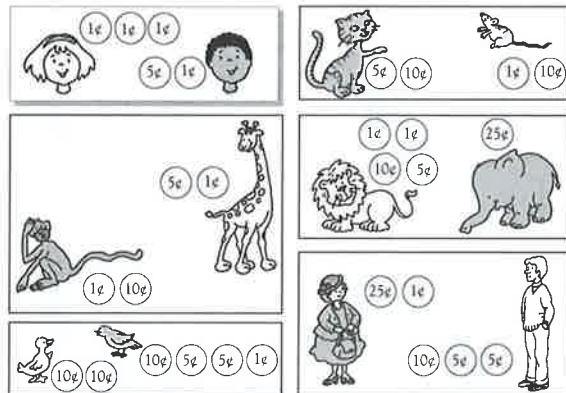


Encourage children to become familiar with doubles. These facts can then be used in other situations, such as "doubles plus 1."

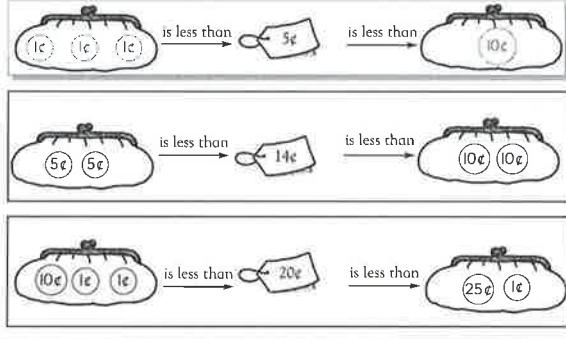
Comparing money



Colour the one who has the most money.



Draw some coins in the purses.

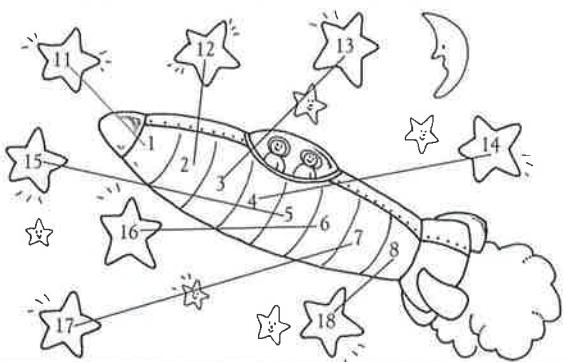


Answers for the lower activity will vary. Make sure that the amount children assign to the first purse is less than the amount on the tag and that the amount children assign to the second purse is greater than that on the tag.

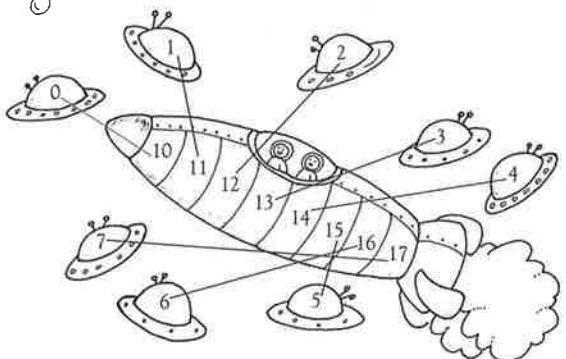
10 more or 10 less



Draw a line to add 10 to each number on the rocket.



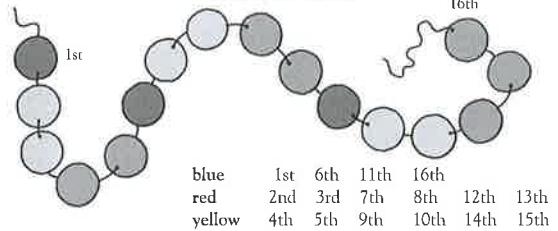
Draw a line to subtract 10 from each number on the rocket.



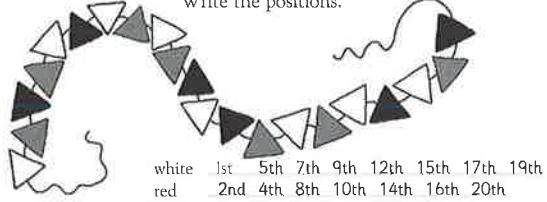
Familiarity with "10 more" and "10 less" will help to develop the ability to do mental math.

Ordinals

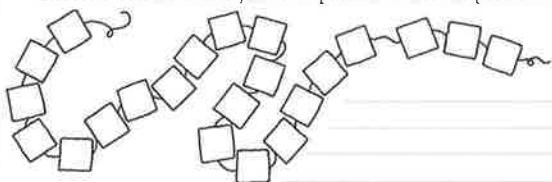
Colour the beads.



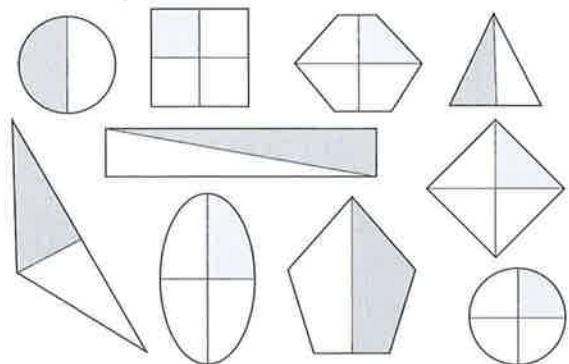
Write the positions.



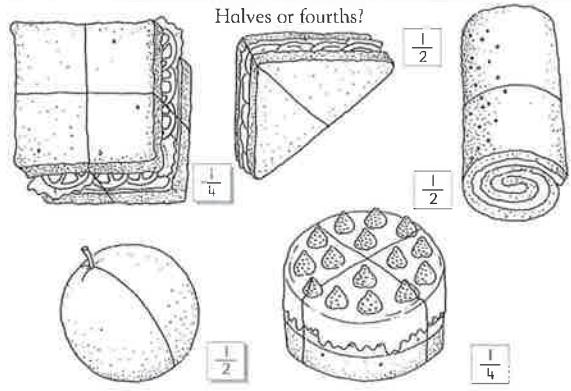
Choose 3 colours. Make your own pattern. Write the positions.

**Halves and fourths**

For each shape colour one half red or one fourth yellow.



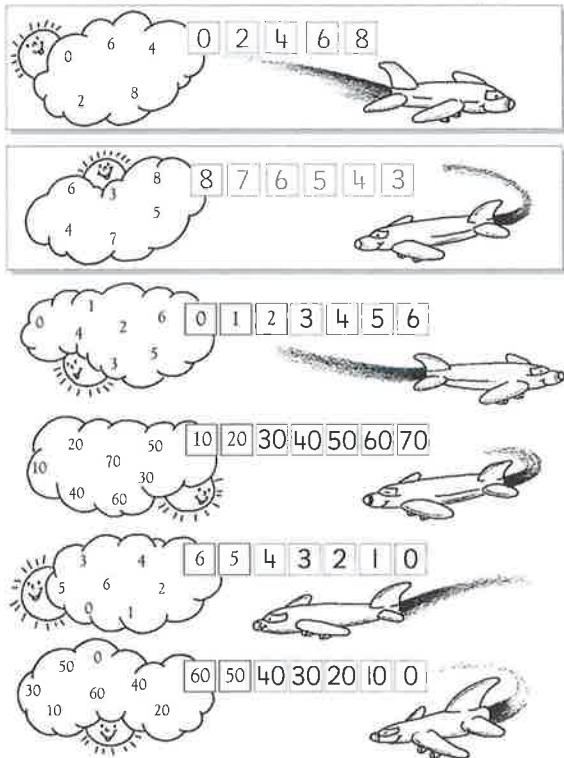
Halves or fourths?



Make sure that children understand that halves must be two exactly equal parts and that fourths must be four exactly equal parts. Encourage children to see that two fourths are the same as one half.

Ordering

Look for a pattern. Write the numbers in order.



Make sure children understand that some of the patterns require counting on and some require counting back. Children should see that some patterns are familiar, such as counting by 2s, counting by 10s, and the basic counting sequence.

Place value

What is in the ones place in each number?

| | | | |
|----|----|----|----|
| 24 | 61 | 87 | 19 |
| 4 | 1 | 7 | 9 |

| | | | |
|----|----|----|----|
| 65 | 68 | 13 | 42 |
| 5 | 8 | 3 | 2 |

What is in the tens place in each number?

| | | | |
|----|----|----|----|
| 30 | 94 | 10 | 69 |
| 3 | 9 | 1 | 6 |

| | | | |
|----|----|----|----|
| 27 | 81 | 18 | 50 |
| 2 | 8 | 1 | 5 |

What is in the tens place in each number?

| | | | |
|----|----|----|----|
| 12 | 90 | 43 | 58 |
| 1 | 9 | 4 | 5 |

Circle the number that has a 7 in the tens place.

57 (79) (70)

Circle the number that has a 3 in the ones place.

34 (93) 30

Circle the number that has a 1 in the tens place.

(10) 61 21

Make sure children understand that the ones are at the right of a number. Children should then see that the tens are just to the left of the ones.

Expanded form



Write each number as a sum of tens and ones.

$$54 = 50 + 4$$

$$12 = 10 + 2$$

$$88 = 80 + 8$$

$$47 = 40 + 7$$

$$29 = 20 + 9$$

$$11 = 10 + 1$$

$$75 = 70 + 5$$

$$51 = 50 + 1$$

$$44 = 40 + 4$$

$$62 = 60 + 2$$

$$93 = 90 + 3$$

$$19 = 10 + 9$$

$$25 = 20 + 5$$

$$74 = 70 + 4$$

$$36 = 30 + 6$$

Write the missing number.

$$80 + 6 = 86$$

$$90 + 7 = 97$$

$$30 + 3 = 33$$

$$60 + 1 = 61$$

$$10 + 5 = 15$$

$$50 + 8 = 58$$

$$20 + 2 = 22$$

$$70 + 9 = 79$$

$$40 + 3 = 43$$

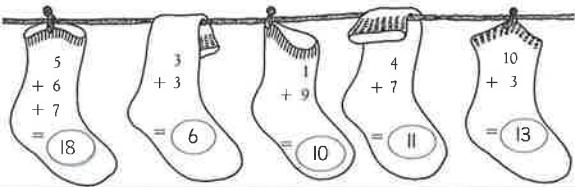
$$90 + 4 = 94$$

Children should be able to apply what they know about place value to help them to understand expanded form. Make sure that children correctly break numbers apart into tens and ones.

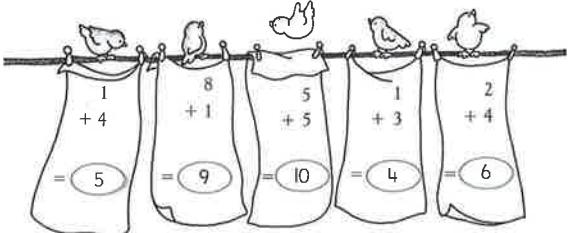
Adding



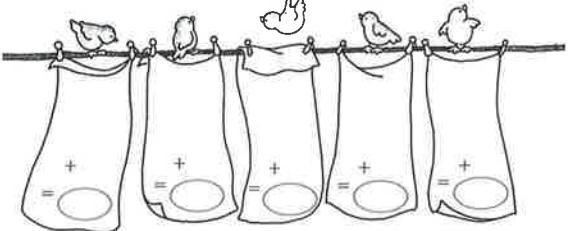
Add up the numbers on the socks.



Add up the numbers on the towels.



Make up your own number towels.



Encourage children to use addition facts to help them to find the totals.

Adding dice



Count the dots on the dice.

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = 9$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = 8$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = 7$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = 8$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \end{array} = 11$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 6$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 12$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 15$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 11$$

Make your own dice problems. You can roll real dice to help.

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 11$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 9$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 11$$

$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 14$$

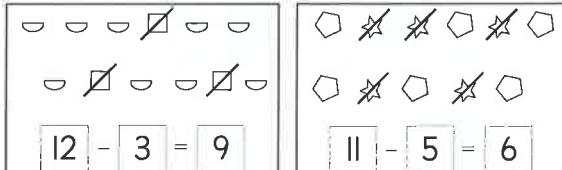
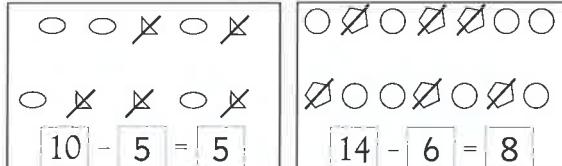
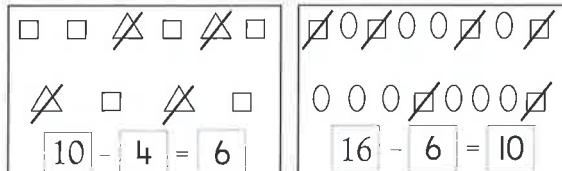
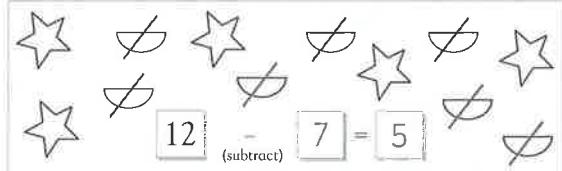
$$\begin{array}{c} \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \\ + \\ \text{dice} \end{array} = 13$$

Children can use addition facts to find the answers for the first section. Their answers will vary for the second section. Possible answers are given.

Crossing out



Cross out one type of shape in each box.

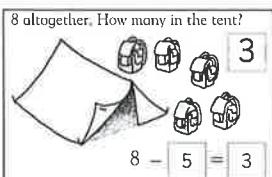
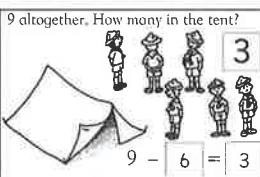
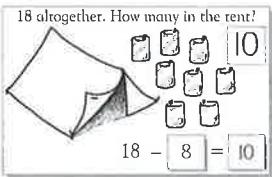
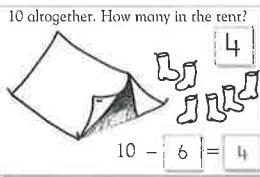


It doesn't matter which set of shapes children choose to cross out. Point out that crossing out pictures is like subtracting these objects. Answers will vary, depending on which set of shapes children cross out.

Subtraction



Say and count as you write.



Say as you write.

$16 - \boxed{4} = 12$

$18 - \boxed{11} = 7$

$12 - \boxed{10} = 2$

$15 - \boxed{1} = 14$

$19 - \boxed{14} = 5$

$15 - \boxed{6} = 9$

$9 - \boxed{5} = 4$

$17 - \boxed{6} = 11$

$11 - \boxed{1} = 10$

Say as you write.

$15 - 5 = \boxed{10}$

$10 - \boxed{10} = 0$

$16 - 0 = \boxed{16}$

$13 - 10 = \boxed{3}$

$20 - \boxed{20} = 0$

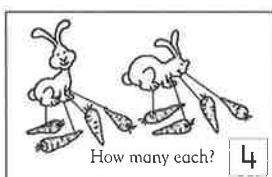
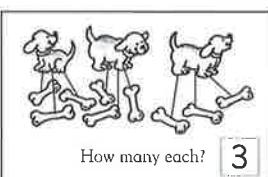
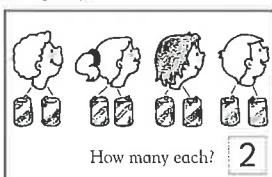
$8 - 8 = \boxed{0}$

Have children recall fact families for help in solving problems such as $18 - 8 = 10$ and $18 - 10 = 8$. Remind children that a number subtracted from itself gives a difference of zero.

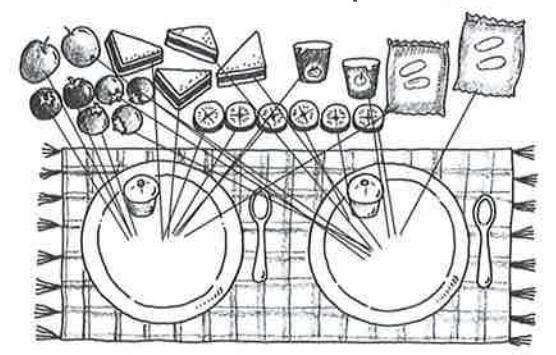
Sharing



Share the food equally.



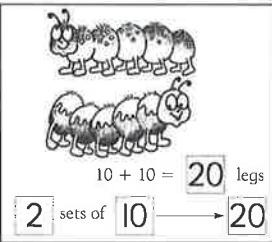
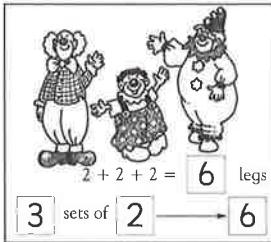
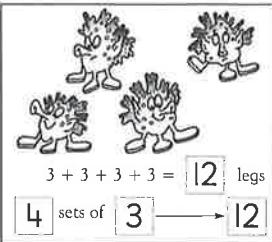
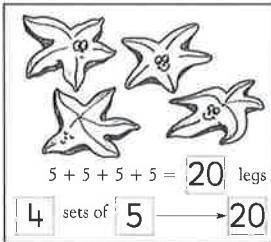
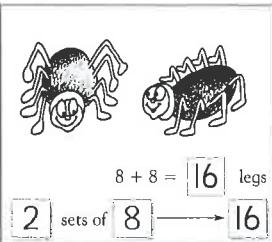
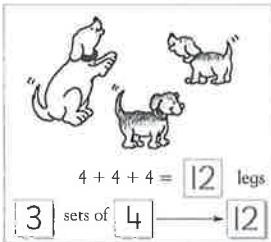
Draw lines to share the picnic.



Encourage the use of the word *sharing*. Lead children to understand that sharing means separating a group of items into smaller, equal-size groups. For example, 3 dogs sharing 9 bones gives 3 bones to each dog.

Sets of

Say and count as you write.



Talk with children about the pictures and what they show. If children have difficulty, make sure that they haven't simply added the two numbers given below the sets: for example, 3 sets of 4 added together to make 7.

Addition properties

Write the missing number.

$6 + \boxed{0} = 6$

$0 + 6 = 6$

$10 + \boxed{7} = 17$

$7 + 10 = 17$

$11 + \boxed{0} = 11$

$0 + 11 = 11$

$4 + \boxed{8} = 12$

$8 + 4 = 12$

$13 + \boxed{6} = 19$

$6 + 13 = 19$

$\boxed{0} + 3 = 3$

$3 + 0 = 3$

Circle the addition fact that has the same sum as $2 + 3$.

$1 + 5$

$3 + 2$

$4 + 2$

Circle the addition fact that has the same sum as $5 + 8$.

$8 + 5$

$6 + 6$

$3 + 9$

Circle the addition fact that has the same sum as $1 + 7$.

$8 + 2$

$2 + 5$

$7 + 1$

Circle the addition fact that has the same sum as $10 + 6$.

$7 + 4$

$9 + 9$

$6 + 10$

Circle the addition fact that has the same sum as $4 + 2$.

$1 + 6$

$2 + 4$

$3 + 2$

Circle the addition fact that has the same sum as $9 + 5$.

$5 + 9$

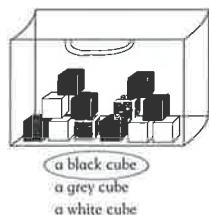
$7 + 6$

$10 + 5$

Guide children to understand that the sum of zero and any number is that number. Also, the sum of any two numbers is the same, no matter which of the numbers comes first.

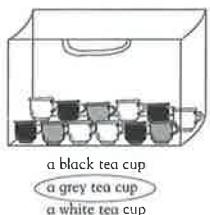
Most and least likely

What are you most likely to pick out of each bag? Circle the answer.



a black cube
a grey cube
a white cube

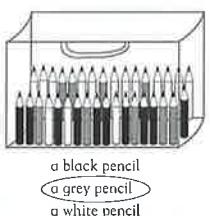
What are you least likely to pick out of each bag? Circle the answer.



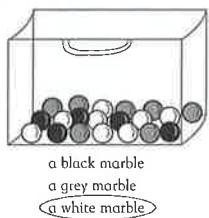
a black tea cup
a grey tea cup
a white tea cup



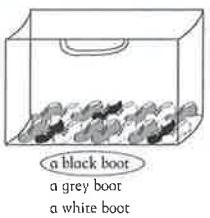
a black sock
a grey sock
a white sock



a black pencil
a grey pencil
a white pencil



a black marble
a grey marble
a white marble



a black boot
a grey boot
a white boot

Children should understand that the most likely item is the item of which there are the most and that the least likely item is the item of which there are the fewest.

Using clocks

Write the time.



8 o'clock



half past 10



7 o'clock



half past 4



half past 8



4 o'clock



half past 2



half past 12

Draw the hands.



half past 7



1 o'clock



half past 9



half past 6



half past 1



11 o'clock



half past 8



2 o'clock

Children should understand that at half past the hour, the long hand (the minute hand) must point to the 6 on the clock face.

Days and seasons

Days of the week

Can you write them in order?

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Wednesday Thursday Friday Saturday Sunday Monday Tuesday

Saturday Sunday Monday Tuesday Wednesday Thursday Friday

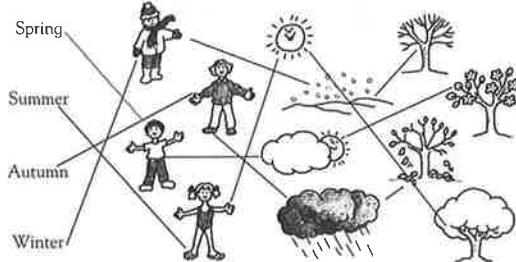
Thursday Friday Saturday Sunday Monday Tuesday Wednesday

Yesterday and tomorrow

| yesterday | today | tomorrow |
|-----------|-----------|----------|
| Tuesday | Wednesday | Thursday |
| Sunday | Monday | Tuesday |
| Wednesday | Thursday | Friday |
| Saturday | Sunday | Monday |

Seasons of the year

Draw lines to connect each picture to a season.



Children need to know the order of the days. They should also know that the name of each day begins with a capital letter. Ask children to explain their reasons for connecting the season pictures the way they did.

Favourite fruits

This table shows the favourite fruits of a class of children.

| | | | | | | | |
|--------------|--|--|--|--|--|--|--|
| grapes | | | | | | | |
| strawberries | | | | | | | |
| bananas | | | | | | | |
| cherries | | | | | | | |
| oranges | | | | | | | |
| apples | | | | | | | |

Number of children

How many preferred each fruit?

3 8 5 1 3 4

Which fruit? Draw.

5 8 1 3

Say and draw.

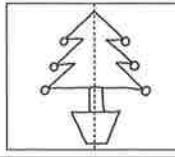
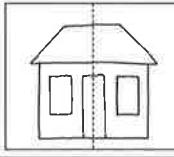
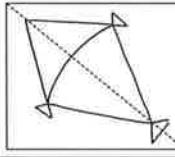
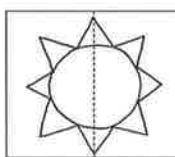
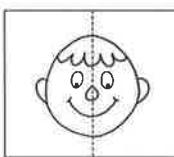
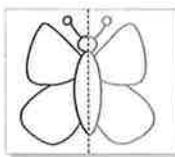
| | |
|----------------------------------|-----------------------------------|
| The fruit chosen most often is . | The fruit chosen least often is . |
| More children chose than . | My favourite is . |

Children should be able to give reasons for their choices. Make sure they understand that each individual drawing of a fruit or a bunch of fruit on the table stands for one child in the class.

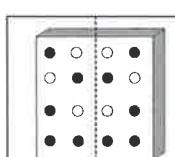
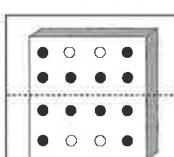
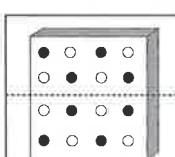
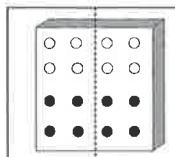
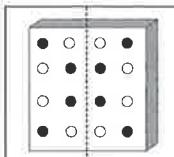
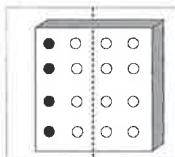
Draw the other half



Finish the pictures.

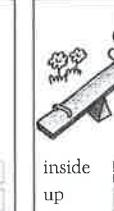
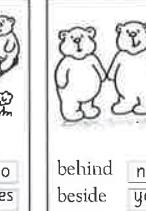
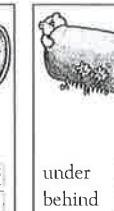
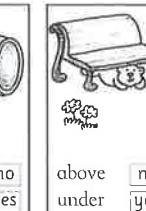
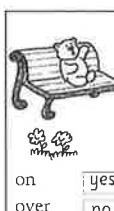
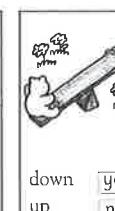


Make the two halves of the pegboards match. Colour them in.



Placing a small mirror along the line of symmetry will enable children to see the complete image. For the second activity, it is important to understand that the unmarked half should be a mirror image of the marked half.

Where's the bear?

on
next to
 yes
 noinside
on top
 yes
 noinside
up
 yes
 nobehind
beside
 yes
 noon
in
 yes
 noin front
inside
 yes
 nounder
behind
 yes
 noabove
under
 yes
 noon
over
 yes
 nodown
up
 yes
 nounder
behind
 yes
 no

Numbers



Write the numbers.

0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1
 2 2 2 2 2 2 2 2 2 2 2 2
 3 3 3 3 3 3 3 3 3 3 3 3
 4 4 4 4 4 4 4 4 4 4 4 4
 5 5 5 5 5 5 5 5 5 5 5 5
 6 6 6 6 6 6 6 6 6 6 6 6
 7 7 7 7 7 7 7 7 7 7 7 7
 8 8 8 8 8 8 8 8 8 8 8 8
 9 9 9 9 9 9 9 9 9 9 9 9

Continue the pattern.

1 5 7 | 5 7 | 5 7 | 5 7
 3 6 9 3 6 9 3 6 9 3 6 9
 2 4 8 2 4 8 2 4 8 2 4 8

Children need to practise writing numbers correctly. Explain to children that they should write each number beginning from the top of the number.

Numbers

Which numbers are the snakes hiding?
Say the numbers as you write the answers.

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | | 7 | 8 | | 19 | 20 |
| 11 | | | 14 | 15 | | 17 | | 19 | 20 | |
| 21 | 22 | | 24 | 25 | | 27 | 28 | | 30 | |
| | 32 | 33 | 34 | 35 | | 37 | 38 | | 39 | 40 |
| 41 | | | 44 | 45 | 46 | | 49 | 50 | | |



| |
|----|
| 6 |
| 16 |
| 26 |
| 36 |

| |
|----|
| 29 |
| 39 |
| 40 |

| |
|----|
| 12 |
| 13 |
| 23 |

Encourage children to look at the patterns in the numbers as they read down columns. They should also know the basic counting sequence. Make sure children understand that a snake can hide numbers that do not form a sequence.

Addition



How many are there in all? Colour them in.

$$\triangle \triangle \triangle + \triangle \triangle \triangle = \blacktriangle \blacktriangle \blacktriangle \blacktriangle \blacktriangle \blacktriangle \triangle \triangle$$

$$\textcircled{O} \textcircled{O} + \textcircled{O} \textcircled{O} = \textcircled{O} \textcircled{O} \textcircled{O} \textcircled{O} \textcircled{O} \textcircled{O} \textcircled{O} \textcircled{O}$$

$$\square \square + \square \square = \square \square \square \square \square \square \square \square$$

$$\begin{matrix} \text{ } \\ \text{ } \\ \text{ } \end{matrix} + \begin{matrix} \text{ } \\ \text{ } \\ \text{ } \end{matrix} = \begin{matrix} \text{ } \\ \text{ } \\ \text{ } \\ \text{ } \\ \text{ } \end{matrix}$$

$$\begin{matrix} \text{fish} \\ \text{fish} \\ \text{fish} \\ \text{fish} \\ \text{fish} \end{matrix} + \begin{matrix} \text{fish} \\ \text{fish} \\ \text{fish} \end{matrix} = \begin{matrix} \text{fish} \\ \text{fish} \end{matrix}$$

Children may either count to find the total or determine the number of items on either side of the addition symbol and add the two numbers to find the total.

Tallies



Which tally marks show 13?



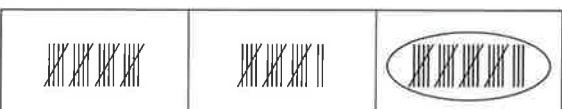
Which tally marks show 15?



Which tally marks show 17?



Which tally marks show 23?

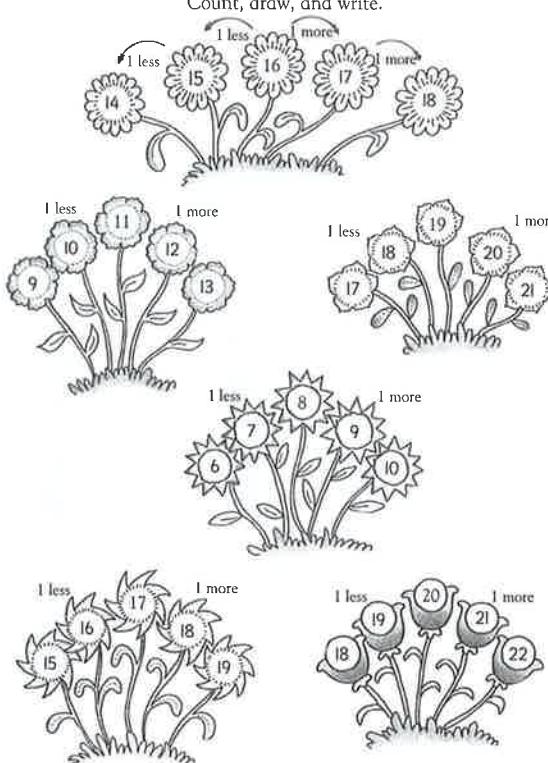


Make sure children understand that each complete tally-mark set represents 5. Children can then determine totals by counting by 5s and then counting on.

1 less or 1 more



Count, draw, and write.



Children should understand that *1 less* means that they should subtract 1 and that *1 more* means that they should add 1. Help them, if necessary, to cross tens, such as adding 1 more to 19.

Using a table



Use the table to answer the questions.

Circle the correct answer.

Glasses of water

| Name | Saturday | Sunday |
|---------|----------|--------|
| Sasha | 4 | 6 |
| William | 6 | 4 |
| Anita | 6 | 8 |
| Nabi | 5 | 7 |

Who drank less water on Saturday?

Sasha Nabi

How many glasses of water did Anita drink on Sunday?

4 7

Who drank 7 glasses of water on Sunday?

Nabi Anita

Who drank a total of 10 glasses of water?

Nabi William

Who drank the most glasses of water?

Nabi Anita

Who drank less water on Sunday?

Anita Nabi

How many glasses of water did Sasha and William together drink on Saturday?

10 12

If children have difficulty reading the names in the table, point out to them that they can identify the names in the questions by matching them with the spellings of the names in the table.

Patterns of 2, 5, and 10

Count, colour, and find a pattern.

Count by 2s and colour them red.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Count by 5s and colour them purple.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

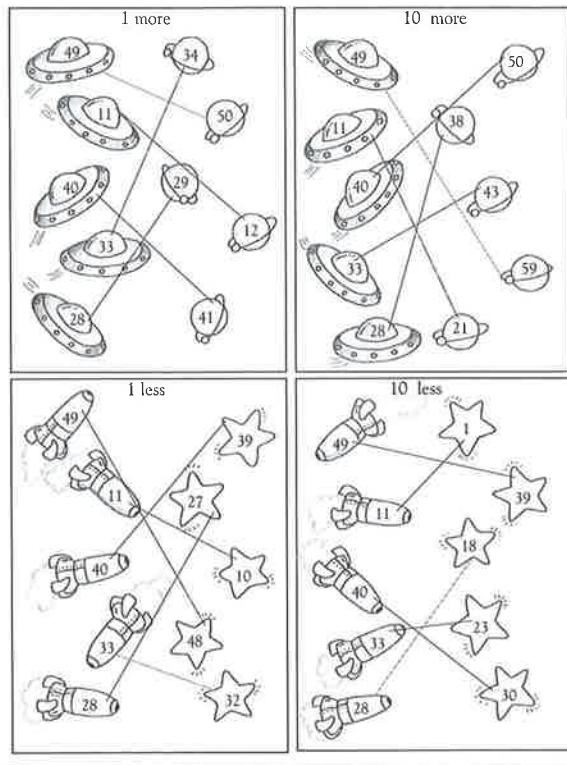
Count by 10s and colour them yellow.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Discuss the patterns made. Ask children to look for any numbers that are coloured in all the patterns. (The 10s will be.) Guide children to see that all the numbers in the pattern formed by counting by 5s end in a 5 or a 0.

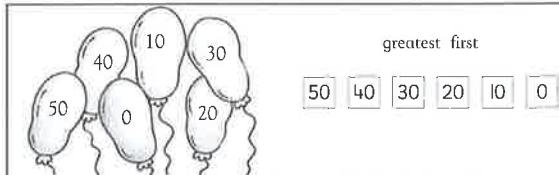
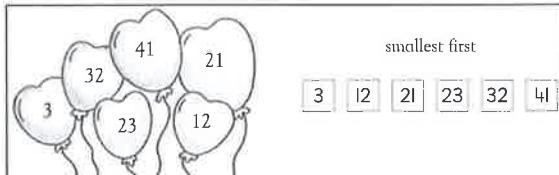
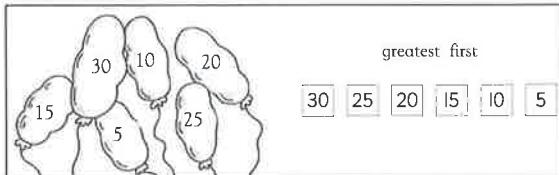
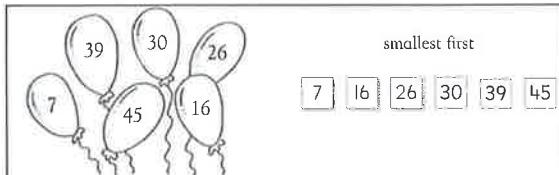
More or less

Connect the spaceships to the planets and the rockets to the stars.



Ordering

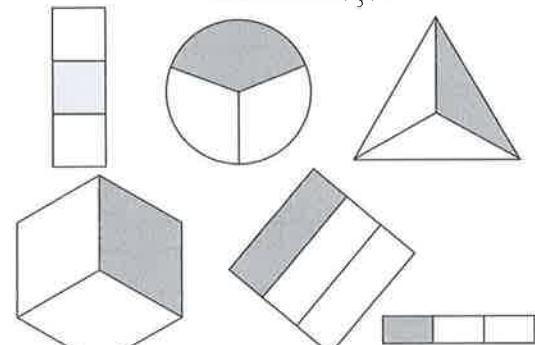
Write the numbers in order.



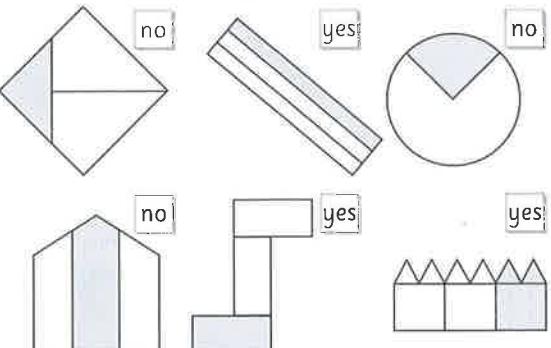
Watch out for possible reversals such as reading 16 as 61. In the third section, 23, 32, 12, and 21 have been included to deal with such reversals. Ask children to identify the place values of the digits in 23 and 32.

Fractions of shapes

Colour one third ($\frac{1}{3}$).



Is it $\frac{1}{3}$? Yes or no.



Explain why some of the pictures in the second section do not show one third, even though each shape is cut into three pieces. (The pieces are not all of equal size.)

Fact families

Complete each fact family.

| |
|-------------|
| 4, 5, 9 |
| $4 + 5 = 9$ |
| $5 + 4 = 9$ |
| $9 - 4 = 5$ |
| $9 - 5 = 4$ |

| |
|-------------|
| 3, 4, 7 |
| $3 + 4 = 7$ |
| $4 + 3 = 7$ |
| $7 - 3 = 4$ |
| $7 - 4 = 3$ |

| |
|-------------|
| 2, 4, 6 |
| $2 + 4 = 6$ |
| $4 + 2 = 6$ |
| $6 - 4 = 2$ |
| $6 - 2 = 4$ |

| |
|-------------|
| 3, 5, 8 |
| $3 + 5 = 8$ |
| $5 + 3 = 8$ |
| $8 - 3 = 5$ |
| $8 - 5 = 3$ |

Make sure children understand that a fact family consists of four number sentences: two are addition sentences, and two are subtraction sentences. Encourage students to see the inverse relationship between addition and subtraction with these facts.

Subtraction

Subtract to find the difference.

$$\begin{array}{r} 14 \\ - 3 \\ \hline 11 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 8 \\ - 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 19 \\ - 7 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 13 \\ - 2 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 14 \\ - 4 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 19 \\ - 3 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 16 \\ - 3 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 16 \\ - 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 18 \\ - 7 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 17 \\ - 5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 17 \\ - 1 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 14 \\ - 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 17 \\ - 4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 17 \\ - 1 \\ \hline 16 \end{array}$$

Make sure children begin by subtracting the ones. If children have difficulty, point out to them that they have no tens to subtract, so they can write the tens value in the answer.



Addition

Add to find each sum.

$$\begin{array}{r} 13 \\ + 4 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 8 \\ + 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 0 \\ + 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 10 \\ + 9 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 10 \\ + 3 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 10 \\ + 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 12 \\ + 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16 \\ + 3 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 14 \\ + 3 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 12 \\ + 5 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 17 \\ + 1 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 12 \\ + 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 11 \\ + 7 \\ \hline 18 \end{array}$$

If children have difficulty with these exercises, make sure that they are adding in the correct order. In other words, they should add the ones first and then add the tens.



Subtraction

Subtract to find the difference.

$$\begin{array}{r} 80 \\ - 30 \\ \hline 50 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 30 \\ - 20 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 50 \\ - 30 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 40 \\ - 20 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 20 \\ - 10 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 40 \\ - 30 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 50 \\ - 20 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 60 \\ - 40 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 90 \\ - 30 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 70 \\ - 30 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 90 \\ - 40 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 40 \\ - 10 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 50 \\ - 10 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 90 \\ - 70 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 80 \\ - 10 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 60 \\ - 50 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 40 \\ - 40 \\ \hline 0 \end{array}$$

Point out to children that although they are subtracting two-digit numbers, the ones digit in each number is zero, so each answer will have a zero in the ones place. Children should understand that subtracting any number from itself leaves zero.

Subtraction



Subtract to find the difference.

$$\begin{array}{r} 87 \\ - 34 \\ \hline 53 \end{array}$$

Subtract to find each difference.

$$\begin{array}{r} 39 \\ - 27 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 58 \\ - 32 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 44 \\ - 11 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 27 \\ - 17 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 46 \\ - 33 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 59 \\ - 46 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 75 \\ - 31 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 88 \\ - 14 \\ \hline 74 \end{array}$$

$$\begin{array}{r} 77 \\ - 33 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 93 \\ - 22 \\ \hline 71 \end{array}$$

$$\begin{array}{r} 67 \\ - 53 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 38 \\ - 22 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 99 \\ - 79 \\ \hline 20 \end{array}$$

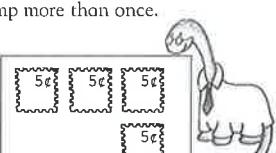
$$\begin{array}{r} 82 \\ - 70 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 69 \\ - 69 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 47 \\ - 46 \\ \hline 1 \end{array}$$

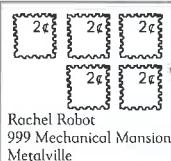
This page presents straightforward subtraction with two-digit numbers, with no regrouping. Make sure that children subtract in the correct order, that is, they should subtract the ones first and then the tens.

Real-life problems

Draw the stamps on the letters.
You can use any stamp more than once.Ms. Heather Hedgehog
1 The Leaf Pile
Snowdrop Corner
Garden CityDoctor Dilly Dinosaur
6 The Swamp
Mud Town

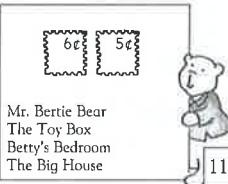
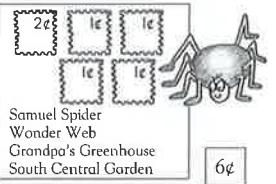
12¢

20¢

Rachel Robot
999 Mechanical Mansion
MetalvilleCheeky Charlie Chimp
100 Banana Court
Giggleton
Apeland

10¢

18¢

Mr. Bertie Bear
The Toy Box
Betty's Bedroom
The Big HouseSamuel Spider
Wonder Web
Grandpa's Greenhouse
South Central Garden

11¢

6¢

Subtraction tables

Finish each table.

| - | 2 | 3 | 5 | 10 |
|----|----|----|----|----|
| 11 | 9 | 8 | 6 | 1 |
| 15 | 13 | 12 | 10 | 5 |
| 20 | 18 | 17 | 15 | 10 |

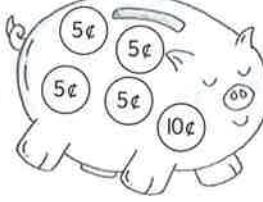
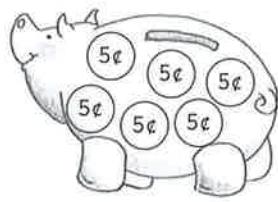
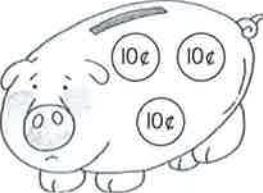
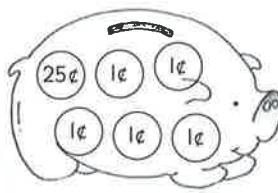
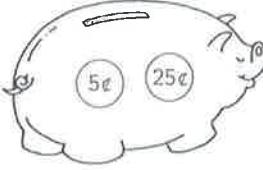
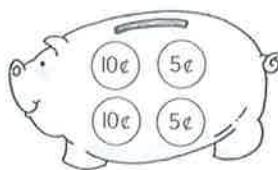
| - | 1 | 6 | 8 | 9 |
|----|----|----|----|----|
| 14 | 13 | 8 | 6 | 5 |
| 19 | 18 | 13 | 11 | 10 |
| 20 | 19 | 14 | 12 | 11 |

| - | 0 | 4 | 7 | 11 |
|----|----|----|----|----|
| 12 | 12 | 8 | 5 | 1 |
| 28 | 28 | 24 | 21 | 17 |
| 18 | 18 | 14 | 11 | 7 |

Children may use different stamp combinations to reach the totals. In real-life situations, most people would use as few stamps as possible. For 6¢ postage, a 5¢ stamp and a 1¢ stamp would be better than six 1¢ stamps.

Real-life problems

All the piggy banks need 30¢. Draw different coins in each one. You can use any coin more than once.



Explain that to make 5¢, five 1¢ coins or a 5¢ coin can be used. So, 10¢ can be made with any of these combinations plus a 5¢ coin. Then another 10¢ coin will make 20¢.



Subtraction tables

Finish each table.

| - | 2 | 3 | 5 | 10 |
|----|----|----|----|----|
| 11 | 9 | 8 | 6 | 1 |
| 15 | 13 | 12 | 10 | 5 |
| 20 | 18 | 17 | 15 | 10 |

| - | 1 | 6 | 8 | 9 |
|----|----|----|----|----|
| 14 | 13 | 8 | 6 | 5 |
| 19 | 18 | 13 | 11 | 10 |
| 20 | 19 | 14 | 12 | 11 |

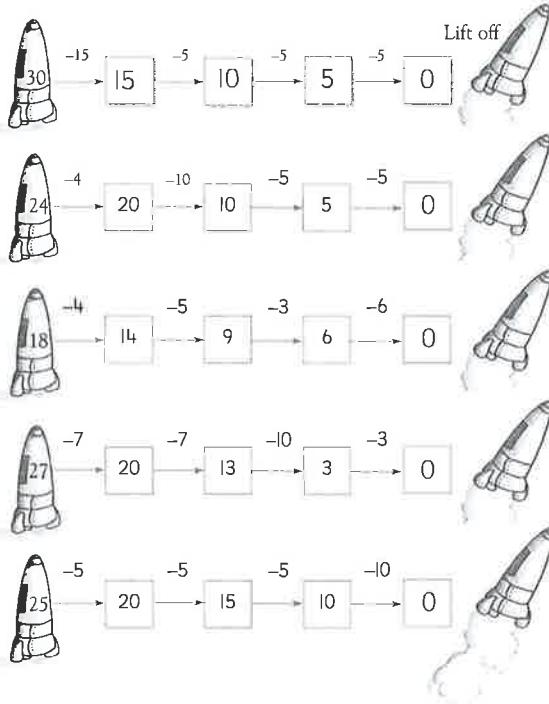
| - | 0 | 4 | 7 | 11 |
|----|----|----|----|----|
| 12 | 12 | 8 | 5 | 1 |
| 28 | 28 | 24 | 21 | 17 |
| 18 | 18 | 14 | 11 | 7 |

Ask children to point out on the table where the information is and where the answers should go. If they need help, tell them to subtract each number in the top row from each number in the left-hand column.

Counting down



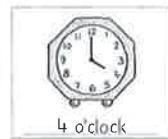
The rocket can only lift off at zero.
Use subtraction to get to 0 in 4 moves.



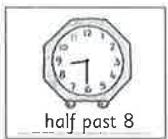
Answers will vary. If children reach zero too soon, they can look for ways to use smaller numbers. If they don't reach zero, they can look for larger numbers to subtract.

Clocks

Write the times under the clocks.



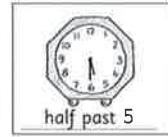
4 o'clock



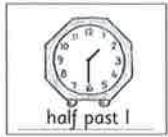
half past 8



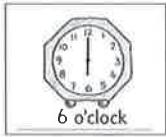
10 o'clock



half past 5

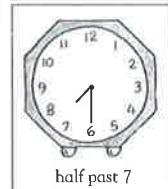


half past 1

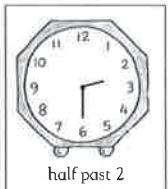


6 o'clock

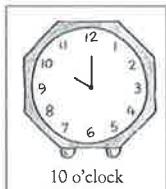
Draw the hands.



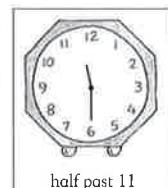
half past 7



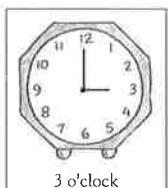
half past 2



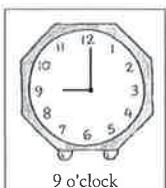
10 o'clock



half past 11



3 o'clock



9 o'clock

Digital clocks



Write the times under the clocks.



half past 12



6 o'clock



9 o'clock



half past 10



half past 8



5 o'clock

Fill in the digital times on the clock faces.



half past 11



half past 1



12 o'clock



half past 3



8 o'clock



10 o'clock

Match the times



Draw a line to connect the matching times.

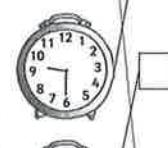


half past nine



2:00

half past 9



2 o'clock



6:00

6 o'clock



six o'clock



9:30

2 o'clock



half past six



12:30

9 o'clock

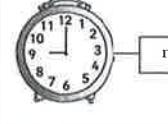


half past twelve



9:00

half past 6



nine o'clock



6:30

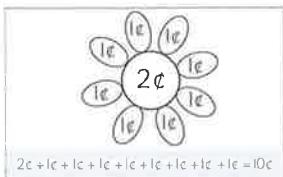
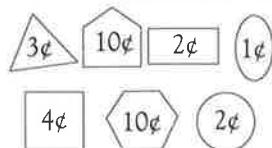
half past 12

Watch out for confusion between the digital versions of 5 and 2. Point out to children that the start positions of both digital and regular numbers are the same.

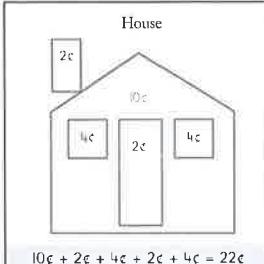
Ask children to talk about digital times, as compared with times shown on analog clock faces. Ask them which they find easier to read.

2-dimensional shapes

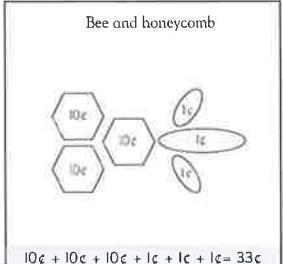
Add the costs to find the cost of each picture.



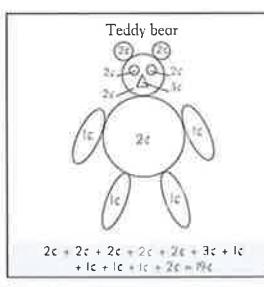
$$2¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ + 1¢ = 10¢$$



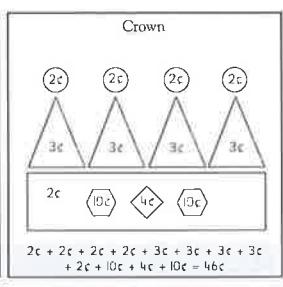
$$10¢ + 2¢ + 4¢ + 2¢ + 4¢ = 22¢$$



$$10¢ + 10¢ + 10¢ + 1¢ + 1¢ + 1¢ = 33¢$$



$$2¢ + 2¢ + 2¢ + 2¢ + 2¢ + 3¢ + 1¢ + 1¢ + 1¢ + 1¢ = 19¢$$



$$2¢ + 2¢ + 2¢ + 2¢ + 3¢ + 3¢ + 3¢ + 3¢ + 2¢ + 10¢ + 4¢ + 10¢ = 46¢$$

Encourage children to find their own ways of making the addition simpler. If children find adding difficult, help them to use counters to count out the individual amounts and then find the total.

Read, write, and draw

Write the numbers and draw the pictures.

| | | |
|----|------------|--|
| 16 | sixteen | |
| 19 | nineteen | |
| 10 | ten | |
| 12 | twelve | |
| 21 | twenty-one | |
| 7 | seven | |
| 50 | fifty | |

Children should use their knowledge of place value for this page. For example, in 16, the 1 means one ten, and the 6 means six ones.

3-dimensional shapes

Label the 3-D shapes.

(cone, cylinder, pyramid, cube, sphere, rectangular prism)



cube



cylinder



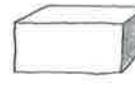
pyramid



cone

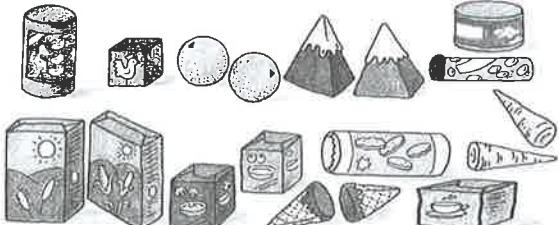


sphere



rectangular prism

How many of each 3-D shape?



cube

rectangular prism

cone

cylinder

pyramid

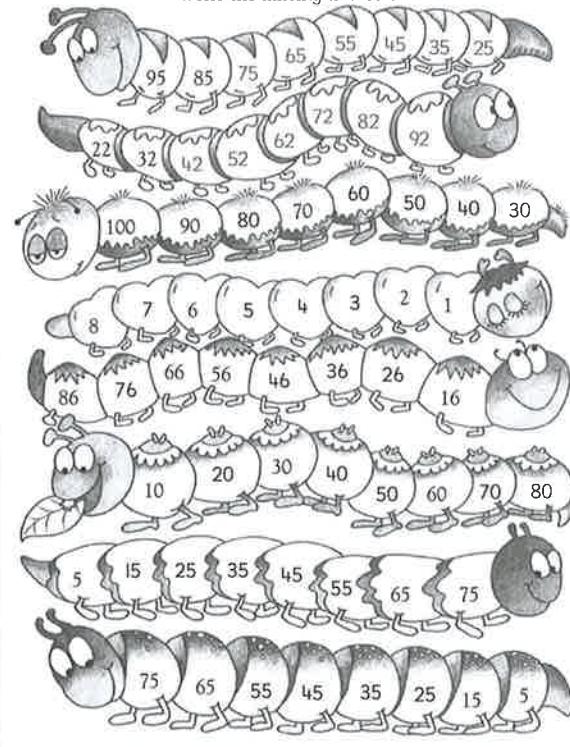
sphere

Have children describe the differences between a cube and a prism or between a cone and a cylinder. Children should begin to use appropriate mathematical language such as *curved*, *straight*, *corners*, *sides*, and so on.

Counting

Count on forward or backward by 10s.

Write the missing numbers.

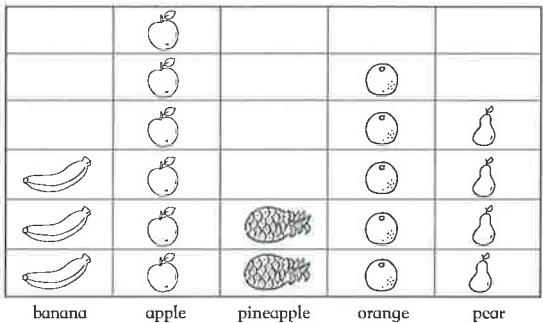


Children should determine whether the numbers are increasing or decreasing. They can then decide whether to count on or to count back. Children should see that the ones digits remain unchanged and the tens digits increase or decrease.

Bar graphs



Fruit



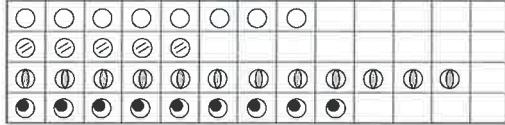
How many pears are there? 4 How many bananas are there? 3

The graph shows 6 apples. The graph shows 2 pineapples.

How many more oranges are there than bananas? 2

How many apples and pears are there altogether? 10

Ellen's marbles



How many ◎ does Ellen have? 5 How many ○ does Ellen have? 12

How many fewer ● than ○ does she have? 3

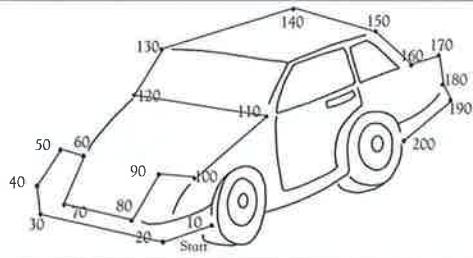
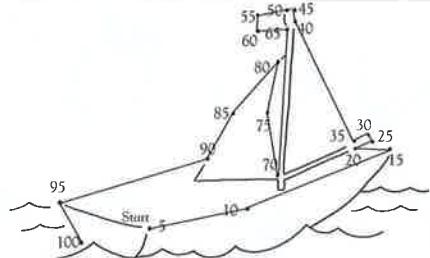
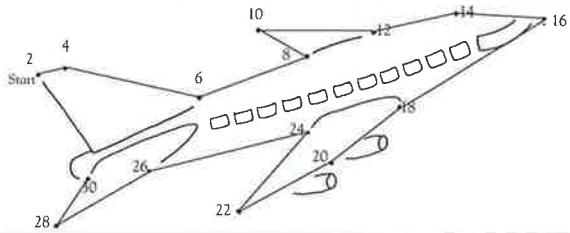
How many ○ and ◎ does she have altogether? 13

Discuss with children what the bar graphs show, what the labels mean, and what the drawings or symbols mean. Guide children to compare the heights of the columns or the lengths of the rows to make quick comparisons of amounts.

2s, 5s, and 10s



Count by 2s, 5s and 10s to help you connect the dots.



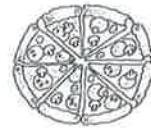
Make sure that children understand the patterns in the number sequences. Have them practise counting by 2s, 5s, and 10s before connecting the dots.

Subtraction

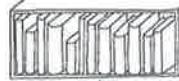
If each child eats 1 slice, how many slices will be left? 5



If the children eat 6 slices, how many slices will be left? 2



If the children eat 8 slices, how many slices will be left? 0



If each child reads 1 book, how many books will be left? 8



How many books will be left if the children take 6 books altogether? 6

How many books will be left if the children take 9 books? 3

If the dog buries 1 ball, how many balls are left? 6



Write a subtraction sentence. $7 - 1 = 6$

If the dog buries 3 balls, how many balls are left? 4



Write a subtraction sentence. $7 - 3 = 4$

Guide children to see that when they take something away from a set of things or a whole, something is left behind. What is left behind is less than or smaller than what was there originally. This procedure is called subtraction.

Comparing

Complete the boxes.

| 2 less | number | 2 more |
|--------|--------|--------|
| 51 | 53 | 55 |

| number | between | number |
|--------|---------|--------|
| 96 | 97 | 98 |

| number | between | number |
|--------|---------|--------|
| 20 | 21 | 23 |

| 3 less | number | 3 more |
|--------|--------|--------|
| 27 | 30 | 33 |

| 2 less | number | 2 more |
|--------|--------|--------|
| 27 | 29 | 31 |

| number | between | number |
|--------|---------|--------|
| 18 | 19 | 21 |

| number | between | number |
|--------|---------|--------|
| 31 | 32 | 33 |

| 10 less | number | 10 more |
|---------|--------|---------|
| 9 | 19 | 29 |

| 5 less | number | 5 more |
|--------|--------|--------|
| 20 | 25 | 30 |

| number | between | number |
|--------|----------------|--------|
| 40 | 41, 42, 43, 44 | 45 |

| number | between | number |
|--------|---------|--------|
| 39 | 40 | 41 |

| 5 less | number | 5 more |
|--------|--------|--------|
| 10 | 15 | 20 |

Make sure children understand the meaning of *more*, *less*, and *between*. Have them give examples such as 3 more or 3 less than 10. Children should see that they must fill in the sequence of numbers that lie between two numbers.

Ordering



Find the totals.



Write the totals in order, greatest first.

1st 35¢ 2nd 15¢ 3rd 11¢ 4th 7¢ 5th 3¢

Find the totals.



Write the totals in order, smallest first.

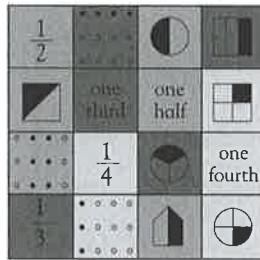
1st 6¢ 2nd 20¢ 3rd 26¢ 4th 31¢ 5th 40¢

Have children practice writing amounts of money, using the symbol for cents (¢). Discuss strategies for adding money, such as adding the coins of greater value first.

Matching fractions

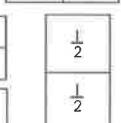
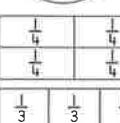
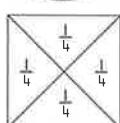
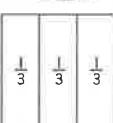
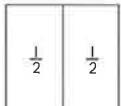
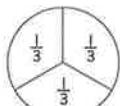
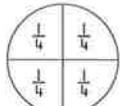
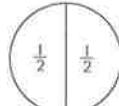


Colour all the matching squares.



Use yellow for halves.
Use orange for thirds.
Use green for fourths.

Label each part.



How many thirds in a whole?

3

How many fourths in a whole?

4

How many halves in a whole?

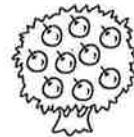
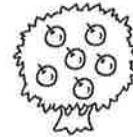
2

How many fourths in a half?

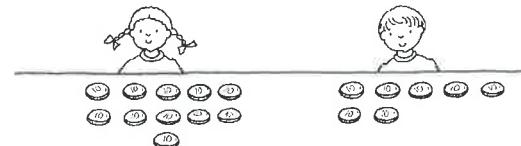
2

Children can look back at the drawings they labeled for help in answering the questions in the last section on the page.

Subtraction



How many fewer apples are on the left tree than on the right tree? 3

Write the subtraction sentence. $9 - 6 = 3$ 

How many more dimes does Tasha have than Juan? 4

What is the subtraction sentence? $11 - 7 = 4$ 

How many fewer bricks are in the left stack than in the right stack? 5

What is the subtraction sentence? $15 - 10 = 5$

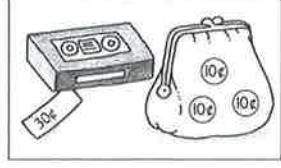
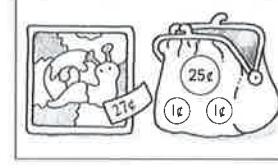
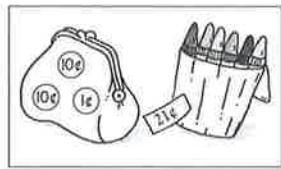
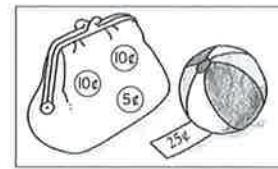
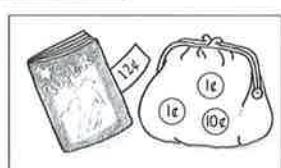
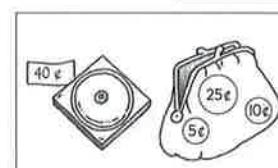
Guide children to understand that they can use subtraction to compare quantities. By subtracting, children can find out how much more or how much less or how many more or how many fewer one quantity is than another.



Money



You have only 3 coins in each purse. Draw the 3 coins that make the exact amount needed. You may use each coin more than once.



Limiting the number of coins causes children to think more carefully about which coins they should use. Children may need help realizing that it would help to begin with the largest coin.

Fact families



Use the 3 numbers to write 4 different facts.

| | | | |
|---------------|---------------|---------------|---------------|
| $6 + 7 = 13$ | $7 + 6 = 13$ | $13 - 7 = 6$ | $13 - 6 = 7$ |
| $16 + 4 = 20$ | $4 + 16 = 20$ | $20 - 4 = 16$ | $20 - 16 = 4$ |
| $6 + 5 = 11$ | $5 + 6 = 11$ | $11 - 5 = 6$ | $11 - 6 = 5$ |
| $7 + 8 = 15$ | $8 + 7 = 15$ | $15 - 7 = 8$ | $15 - 8 = 7$ |
| $8 + 12 = 20$ | $12 + 8 = 20$ | $20 - 8 = 12$ | $20 - 12 = 8$ |
| $10 + 8 = 18$ | $8 + 10 = 18$ | $18 - 10 = 8$ | $18 - 8 = 10$ |
| $8 + 9 = 17$ | $9 + 8 = 17$ | $17 - 9 = 8$ | $17 - 8 = 9$ |
| $9 + 7 = 16$ | $7 + 9 = 16$ | $16 - 9 = 7$ | $16 - 7 = 9$ |
| $14 + 6 = 20$ | $6 + 14 = 20$ | $20 - 14 = 6$ | $20 - 6 = 14$ |
| $11 + 8 = 19$ | $8 + 11 = 19$ | $19 - 11 = 8$ | $19 - 8 = 11$ |

Help children to understand that if they know one addition fact, they can form three other facts: one more addition fact and two subtraction facts.

For example, $6 + 7 = 13$ allows the formation of $7 + 6 = 13$, $13 - 6 = 7$, and $13 - 7 = 6$.

Using doubles



Use the doubles to find the answers.

| | |
|------------------|--------------------|
| $6 + 6 = 12$ | $10 + 10 = 20$ |
| $6 + 7$ | $10 + 11$ |
| $6 + 6 + 1 = 13$ | $10 + 10 + 1 = 21$ |

| | |
|------------------|--------------------|
| $6 + 5$ | $10 + 9$ |
| $6 + 6 - 1 = 11$ | $10 + 10 - 1 = 19$ |

Use doubles to find the answers.

| | | | | | | |
|-----------|------|-----------|-----|-------|---------|------|
| $4 + 4 =$ | 8 | $4 + 5 =$ | 4 | $+ 4$ | $+ 1 =$ | 9 |
| | | $4 + 3 =$ | 4 | $+ 4$ | $- 1 =$ | 7 |
| $7 + 7 =$ | 14 | $7 + 8 =$ | 7 | $+ 7$ | $+ 1 =$ | 15 |
| | | $7 + 6 =$ | 7 | $+ 7$ | $- 1 =$ | 13 |
| $8 + 8 =$ | 16 | $8 + 9 =$ | 8 | $+ 8$ | $+ 1 =$ | 17 |
| | | $8 + 7 =$ | 8 | $+ 8$ | $- 1 =$ | 15 |

Double your doubles.

| | | | | | | | | | |
|-----|-----------|-----|-----------|------|-----|-----------|------|-----------|------|
| 1 | double it | 2 | double it | 4 | 4 | double it | 8 | double it | 16 |
| 2 | double it | 4 | double it | 8 | 5 | double it | 10 | double it | 20 |
| 3 | double it | 6 | double it | 12 | 6 | double it | 12 | double it | 24 |

Guide children to see that doubles, doubles plus 1, and doubles minus 1 can be useful strategies for solving addition problems.



Adding money



Add the money. Write the totals in the right squares.

| | | | | |
|-----|-----|-----|-----|-----|
| + | 2¢ | 5¢ | 8¢ | 6¢ |
| 3¢ | 5¢ | 8¢ | 11¢ | 9¢ |
| 11¢ | 13¢ | 16¢ | 19¢ | 17¢ |
| 29¢ | 31¢ | 34¢ | 37¢ | 35¢ |
| 32¢ | 34¢ | 37¢ | 40¢ | 38¢ |

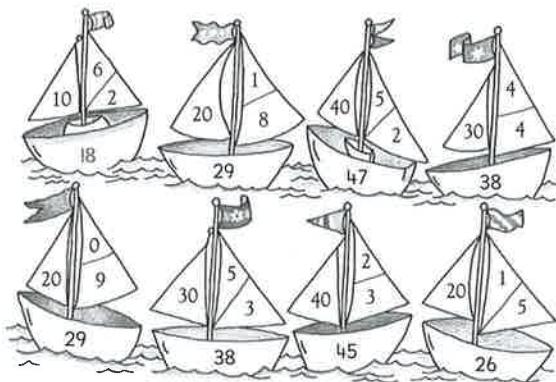
| | | | | | |
|-----|-----|-----|-----|-----|-----|
| + | 2¢ | 4¢ | 6¢ | 9¢ | 3¢ |
| 17¢ | 19¢ | 21¢ | 23¢ | 26¢ | 20¢ |
| 20¢ | 22¢ | 24¢ | 26¢ | 29¢ | 23¢ |
| 33¢ | 35¢ | 37¢ | 39¢ | 42¢ | 36¢ |
| 41¢ | 43¢ | 45¢ | 47¢ | 50¢ | 44¢ |

Have children practice writing amounts of money, using the symbol for cents (¢). Discuss strategies for adding money, such as adding the coins of greater value first.



Adding up

Add the numbers on the sails. Write the totals on the boats.



Add the numbers. Write the totals.

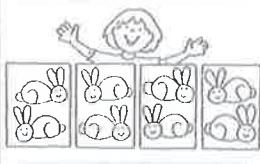
| | | | | | |
|----------------|------|----------------|-------|----------------|------|
| $3 + 4 + 10 =$ | 17 | $9 + 0 + 20 =$ | 29 | $2 + 40 + 3 =$ | 45 |
| $5 + 40 + 2 =$ | 47 | $20 + 7 + 2 =$ | 29 | $4 + 5 + 20 =$ | 29 |
| $30 + 4 + 3 =$ | 37 | $1 + 30 + 7 =$ | 38 | $40 + 8 + 1 =$ | 49 |
| 30 | 1 | 10 | 20 | 40 | 5 |
| $+ 7$ | 38 | $+ 5$ | $+ 4$ | $+ 0$ | 45 |
| | | | | | |

Help children to identify ways to make the addition problems simpler. Children can use what they know about addition facts and about adding 10s.

Count by 2s

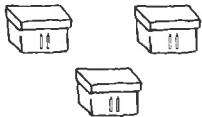
Draw the pictures. Count by 2s. Write the totals.

Sasha has 4 hutches. There are 2 rabbits in each hutch.



8 rabbits

Joel has 3 boxes. There are 2 pencils in each box.



6 pencils

Mrs. Reaves has 6 flower pots. There are 2 flowers in each pot.



12 flowers

Mr. Hastings has 5 fish. Each fish has 2 eyes.



10 eyes

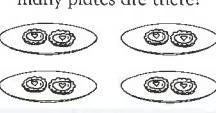
Draw the pictures, then write the answers.

There are 6 birds. There are 2 birds in each tree. How many trees are there?



3 trees

There are 8 tarts. There are 2 tarts on each plate. How many plates are there?



4 plates

Children should by now be comfortable with this counting sequence. For the last two exercises, help them to find the number of groups of 2 that make up the greater number.

Addition

Add to find each sum.

$$\begin{array}{r} 2 \\ + 13 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4 \\ + 10 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 18 \\ + 11 \\ \hline 29 \end{array}$$

Add to find each sum.

$$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ + 1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 10 \\ + 9 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 6 \\ + 11 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 13 \\ + 2 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16 \\ + 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 14 \\ + 5 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 11 \\ + 3 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 12 \\ + 1 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 18 \\ + 11 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 16 \\ + 20 \\ \hline 36 \end{array}$$

Addition



Add to find each sum.

$$\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 14 \\ + 24 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 50 \\ + 10 \\ \hline 60 \end{array}$$

Add to find each sum.

$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ + 1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 10 \\ + 10 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 50 \\ + 40 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 16 \\ + 33 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 29 \\ + 20 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 61 \\ + 35 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 74 \\ + 12 \\ \hline 86 \end{array}$$

Michael has 21 fish. His dad gives him 7 more fish. How many fish does Michael have?

28

$$\begin{array}{r} 21 \\ + 7 \\ \hline 28 \end{array}$$

Sonia read 13 books one month. She read 6 books the next month. How many books did she read in all?

19

$$\begin{array}{r} 13 \\ + 6 \\ \hline 19 \end{array}$$

This page also presents straightforward addition of some two-digit numbers, with no regrouping. Once again, make sure that children add the ones first and then the tens.



Addition and subtraction

Write the missing numbers.

$$\text{?} + 8 = 12 \quad 7 - \text{?} = 1$$

$$4 + \text{?} = 12 \quad 7 - 6 = 1$$

Write the missing numbers.

$$15 - 5 = 10$$

$$3 + 3 = 6$$

$$8 - 6 = 2$$

$$9 + 2 = 11$$

$$8 - 8 = 0$$

$$9 + 5 = 14$$

$$7 + 3 = 10$$

$$6 - 4 = 2$$

$$17 - 10 = 7$$

$$5 - 4 = 1$$

$$2 + 5 = 7$$

$$1 + 3 = 4$$

$$14 - 7 = 7$$

$$8 + 1 = 9$$

$$3 + 9 = 12$$

$$8 + 6 = 14$$

$$3 - 1 = 2$$

$$12 - 6 = 6$$

$$18 - 9 = 9$$

$$5 + 6 = 11$$

$$1 - 1 = 0$$

$$11 - 7 = 4$$

$$4 + 9 = 13$$

$$3 + 5 = 8$$

$$2 + 3 = 5$$

$$16 - 6 = 10$$

$$8 + 10 = 18$$

$$5 + 7 = 12$$

$$4 + 4 = 0$$

$$9 - 3 = 6$$

Children should use their knowledge of fact families to solve the problems on this page. If they need help, remind them that fact families are made up of two addition facts and two subtraction facts.

Real-life problems



Look at the picture. Answer the questions.

What time is it? 4:30Today is Friday. What day was it yesterday? ThursdayHow many cupcakes can each person have? twoIf half of the apples were eaten, how many would be left? threeIf each person had 2 drinks, how many drinks would there be altogether? eightHow many more sandwiches are there than apples? fourIf 13 candies were eaten, how many would be left? sevenEach package contains 2 presents. How many presents are there altogether? sixWhat shape are the sandwiches? triangularIs there an odd or an even number of chairs? even

Children have to decide what each question is asking for and then find a way of arriving at each answer. For example, they recognize that the fifth question can be answered by counting by 2s.

Addition



Find each sum.

$$\begin{array}{r} 40 \\ +30 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 80 \\ +80 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 20 \\ +50 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 20 \\ +30 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 40 \\ +50 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 40 \\ +40 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 50 \\ +30 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 10 \\ +80 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 50 \\ +40 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 20 \\ +10 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 30 \\ +20 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10 \\ +70 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 20 \\ +40 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 10 \\ +40 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10 \\ +30 \\ \hline 40 \end{array}$$

Find each sum.

$$70 + 20 = 90$$

$$80 + 10 = 90$$

$$10 + 40 = 50$$

$$60 + 10 = 70$$

$$30 + 30 = 60$$

$$50 + 10 = 60$$

$$20 + 70 = 90$$

$$70 + 10 = 80$$

$$10 + 20 = 30$$

$$20 + 60 = 80$$

$$40 + 40 = 80$$

$$10 + 80 = 90$$

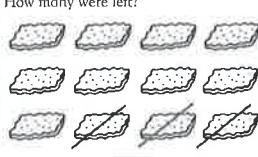
Point out to children that even though they are adding two-digit numbers, they can write a zero in the ones place in each answer, because they are adding 10s.

Real-life problems



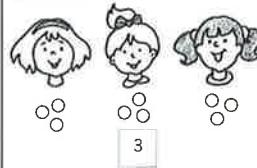
Complete the pictures, and then write the answers.

There were 12 biscuits. James ate 3. How many were left?



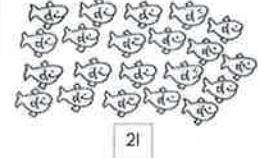
9

Share 9 marbles equally among 3 people. How many marbles will each have?



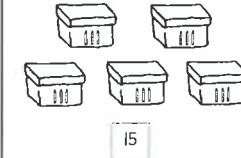
3

Susie has ten fish. She is given 11 more for her birthday. How many fish does she have altogether?



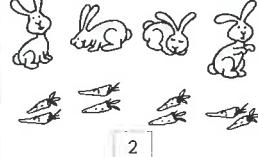
21

Joe had 5 boxes. He had 3 pencils in each box. How many pencils did he have altogether?



15

If you share 8 carrots equally among 4 rabbits, how many carrots will each have?



2

Mom had 16 cups, but she broke 9 of them. How many cups does she have left?



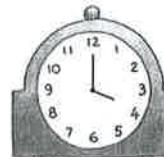
7

Children have to decide which operation to use and what kind of answer each question calls for. Call their attention to the words *altogether* and *left*. Point out that these words are clues whether to add or subtract.

Clocks and watches



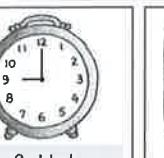
Write the times.



4 o'clock



half past 10



9 o'clock



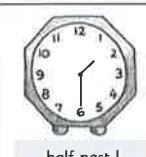
half past 5



11 o'clock



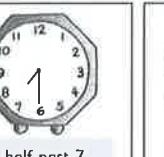
half past 2



half past 1



12 o'clock



half past 7



10 o'clock



half past 3

Encourage children to express times both as digital numbers and on analog clock faces.

Puzzles



Read the clues and solve the puzzle.

I am a number between 20 and 30. If you count by fives, you will say my name. Who am I? 25

Read the clues and solve each puzzle.

I am an even number. I am between 6 and 9. Who am I? 8

$7 + 7$ is less than I am. $7 + 9$ is greater than I am. Who am I? 15

I am a number less than 10. If you add me to myself, you will find a number greater than 16. Who am I? 9

$16 - 10$ is less than I am. $16 - 8$ is greater than I am. Who am I? 7

I am a number between 7 and 12. If you count by threes, you will say my name. Who am I? 9

I am an odd number. I am between 11 and 14. Who am I? 13

If you subtract me from 14, you will find a number greater than 11. I am an odd number. Who am I? 1

If you add me to 50, you will find a number less than 70. If you count by tens you will say my name. Who am I? 10

If you add me to 1, you will find an odd number. I am less than 2. Who am I? 0

Encourage children to use their knowledge of counting sequences, and addition and subtraction facts to solve the puzzles. If necessary, read the clues together.

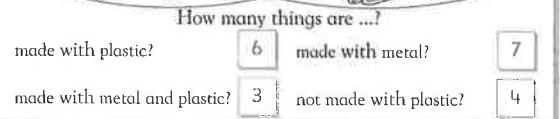
Venn diagrams



Things made with metal



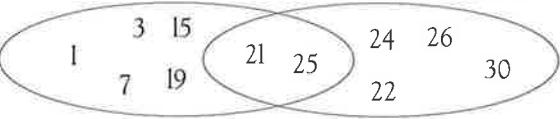
Things made with plastic



How many things are ...?

| | | | |
|------------------------------|---|------------------------|---|
| made with plastic? | 6 | made with metal? | 7 |
| made with metal and plastic? | 3 | not made with plastic? | 4 |

Odd numbers



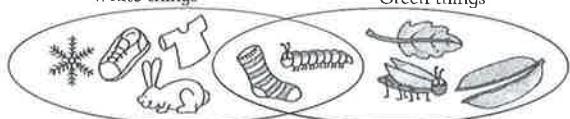
Numbers greater than 20

| | | | |
|--------------------------|---|------------------|---|
| odd? | 7 | greater than 20? | 6 |
| odd and greater than 20? | 2 | not odd? | 4 |

How many numbers are ...?

| | | | |
|------------------|---|------------|---|
| green? | 5 | white? | 6 |
| green and white? | 2 | not green? | 4 |

White things



Green things

Make sure children understand that the items in the part of the diagram where the two ovals intersect are a part of both sets of items. They must be included when counting either of the main sets.

Tables



Water animals

| | Has 4 legs | Eats insects | Has a furry coat | Lays eggs |
|-------|------------|--------------|------------------|-----------|
| Frog | yes | yes | no | yes |
| Newt | yes | yes | no | yes |
| Otter | yes | no | yes | no |

Use the table to answer the questions.

What does the insects eat? frog, newt

Who has a furry coat? otter no

Who has a furry coat and does not lay eggs? otter

School friends

| | Age | Hobby | Pet | Favourite colour |
|--------|-----|-----------|--------|------------------|
| Dean | 7 | Computers | Rat | Black |
| Joe | 6 | Reading | Rabbit | Purple |
| Taif | 7 | Judo | Cat | Orange |
| Maddie | 8 | Computers | Parrot | Green |

Use the table to answer the questions.

Whose favourite colour is black? Dean's Who is the oldest? Maddie

Who has judo for a hobby? Taif What kind of pet does Joe have? rabbit

Who likes computers and has a parrot? Maddie Who is seven and does not have a rat? Taif

Guide children to see that the first column in the table on top lists the animals and the next four columns describe them. Help them to see that the second table is the same but describes friends.



Appropriate units of measure

Which unit would you use to measure the length of each item? Circle the answer.

| | | | | |
|--|-------------|------------|-----------|--------|
| | centimetres | kilometres | kilograms | litres |
| | kilometres | grams | kilograms | |

Which unit would you use to measure the weight of each item? Circle the answer.

| | | | | |
|--|-------------|------------|-----------|-------|
| | centimetres | kilometres | kilograms | |
| | kilometres | | litres | grams |

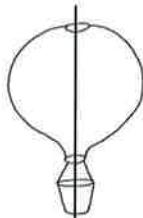
Which unit would you use to measure how much liquid each container holds? Circle the answer.

| | | | | |
|--|------------|-------------|-------|-----------|
| | tonnes | centimetres | | kilograms |
| | kilometres | centimetres | grams | |

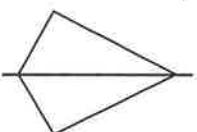
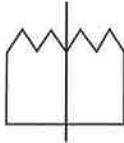
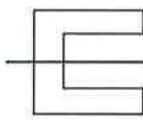
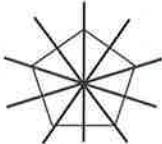
Discuss with children the relative magnitudes of various units of measure. Lead them to see that smaller units of measure should be used for smaller items, and larger units for larger items.

Symmetry

Draw a line of symmetry on each picture.



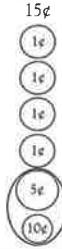
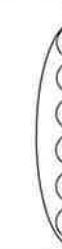
Draw lines of symmetry on these shapes.



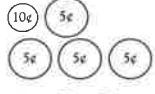
Explain to children that a line of symmetry separates something into two halves that are mirror images of each other. If children have difficulty, suggest that they look at the items from different angles.

Equal value

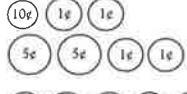
Circle the coins that add up to the amount shown.



Write the amounts. Tell if they are equal.



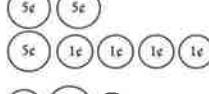
15¢ equal



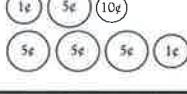
12¢ equal



6¢ not equal



10¢ not equal

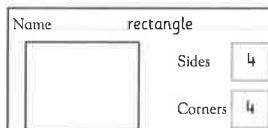
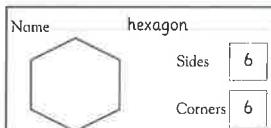
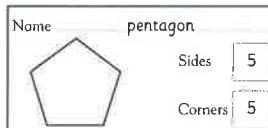
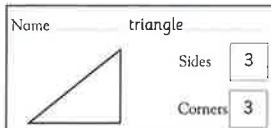
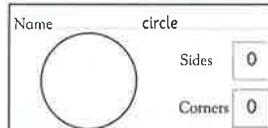
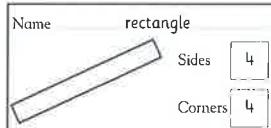
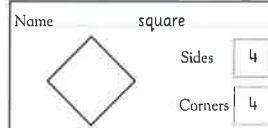
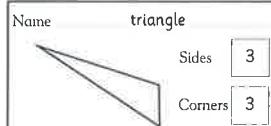
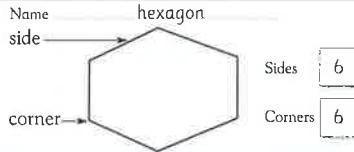


16¢ equal

Encourage children to begin with the largest coin possible when they are deciding which coins to use to make the desired amount.

2-dimensional shapes

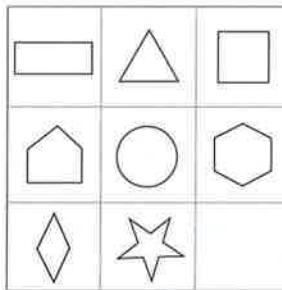
Write the name of the shape. Count the corners and sides.



The second figure, although partially rotated, is still a square, not a diamond. Children should be able to identify the shapes by counting the number of sides and corners of each shape.

Shapes and places

Look at the shapes and answer the questions.



- circle
- hexagon
- diamond
- pentagon
- rectangle
- square
- star
- triangle

Which shape is ...

underneath the circle? star

to the left of the triangle? rectangle

above the hexagon? square

below the pentagon? diamond

between the rectangle and the diamond? pentagon

diagonally above the empty space? circle

beside the diamond? star

on top of the diamond? pentagon

between the triangle and the star? circle

on the right-hand end of the top row? square

in the centre of the grid? circle

in the top left-hand corner? rectangle

This page gives children practice with words that specify position or location. Help them with the questions, if necessary.

Numbers

Which numbers are the snakes hiding?



Ask children to explain how they can tell which numbers are hidden. Encourage them to use their knowledge of counting sequences, 5s and 10s and to look at both columns and rows.

Counting by 2s

| | | | | | | |
|--------------|----|----|----|----|----|----|
| Count by 2s. | 12 | 14 | 16 | 18 | 20 | 22 |
| Count by 2s. | 31 | 33 | 35 | 37 | 39 | 41 |

Finish each row. Count by 2s.

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 17 | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 |
| 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 |
| 14 | 16 | 18 | 19 | 21 | 22 | 23 | 25 |
| 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 |

Finish each row. Count by 2s.

| | | | | | | | |
|----|----|----|----|----|----|-----|-----|
| 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 |
| 75 | 77 | 79 | 81 | 83 | 85 | 86 | 89 |
| 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 |
| 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 |
| 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 |
| 88 | 90 | 92 | 94 | 96 | 98 | 100 | 102 |

Finish each row. Count by 2s.

| | | | | | | | |
|----|----|----|----|----|----|----|-----|
| 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 |
| 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 |
| 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 |
| 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 |
| 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |

Some children will need help crossing a tens or hundreds "border." Show them counting by 2s by counting by 1 two times.

Counting by 1s and 10s

Finish each row.

Count by 1s. 24 25 26 27 28 29

Count by 10s. 31 41 51 61 71 81

Finish each row. Count by 1s.

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 |
|----|----|----|----|----|----|----|----|

Finish each row. Count by 10s.

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 12 | 22 | 32 | 42 | 52 | 62 | 72 | 82 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 16 | 26 | 36 | 46 | 56 | 66 | 76 | 86 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 17 | 27 | 37 | 47 | 57 | 67 | 77 | 87 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 19 | 29 | 39 | 49 | 59 | 69 | 79 | 89 |
|----|----|----|----|----|----|----|----|

Finish each row. Count by 1s and 10s.

| | | | | | | | |
|---|---|----|----|----|----|----|----|
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|----|----|----|----|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 18 | 28 | 38 | 48 | 58 | 68 | 78 | 88 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|---|---|---|---|---|---|----|----|
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|----|----|

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 14 | 24 | 34 | 44 | 54 | 64 | 74 | 84 |
|----|----|----|----|----|----|----|----|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|

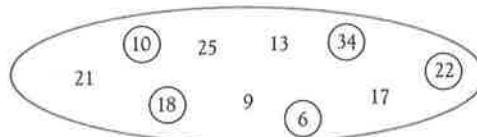
Children should realize that they need only increase the digit in the appropriate place value by 1. If they have difficulty with numbers such as 20 or 45, show them that the appropriate digit increases by 1, just as in counting by 1s.

Odd and even

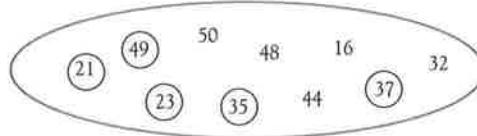
Numbers ending in 0, 2, 4, 6, 8 are called even numbers.

Numbers ending in 1, 3, 5, 7, 9 are called odd numbers.

Circle the numbers that are even.



Circle the numbers that are odd.



Write the odd numbers between 30 and 50.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 |
|----|----|----|----|----|----|----|----|----|----|

Write the even numbers between 21 and 41.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|----|----|----|----|----|----|----|----|----|----|

Children should realize that even numbers are all multiples of 2 and that all even numbers can be divided by 2 and give a whole-number quotient. Odd numbers cannot be divided by 2. If they are unsure, let them use counters and try to share them equally.

More and less



Which number is 1 more than 49? 50
Which number is 10 less than 64? 54

Write the number that is 1 more than each of these.

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 35 | 36 | 78 | 79 | 69 | 70 | 53 | 54 | 9 | 10 | 54 | 55 |
| 41 | 42 | 24 | 25 | 67 | 68 | 40 | 41 | 36 | 37 | 73 | 74 |

Write the number that is 1 less than each of these.

| | | | | | | | | | | | |
|----|----|----|----|----|----|-----|----|----|----|----|----|
| 52 | 51 | 18 | 17 | 20 | 19 | 76 | 75 | 37 | 36 | 50 | 49 |
| 40 | 39 | 54 | 53 | 23 | 22 | 100 | 99 | 31 | 30 | 83 | 82 |

Write the number that is 10 more than each of these.

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|--|--|
| 46 | 56 | 21 | 31 | 86 | 96 | 53 | 63 | 16 | 26 | | |
| 18 | 28 | 29 | 39 | 39 | 49 | 38 | 48 | 90 | 100 | | |
| 60 | 70 | 81 | 91 | 59 | 69 | 23 | 33 | 80 | 90 | | |

Write the number that is 10 less than each of these.

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|--|--|
| 56 | 46 | 75 | 65 | 86 | 76 | 18 | 8 | 23 | 13 | | |
| 68 | 58 | 45 | 35 | 50 | 40 | 40 | 30 | 80 | 70 | | |
| 60 | 50 | 90 | 80 | 60 | 50 | 70 | 60 | 10 | 0 | | |

Write the number that is 10 more than each of these.

| | | | | | | | | | | | |
|----|-----|----|----|----|----|----|----|--|--|--|--|
| 65 | 75 | 76 | 86 | 50 | 40 | 10 | 0 | | | | |
| 90 | 100 | 60 | 70 | 80 | 70 | 75 | 65 | | | | |

Write the number that is 10 less than each of these.

| | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|----|----|----|
| 2 | 9 | 7 | 2 | 3 | 5 | 1 | 3 | 4 | 10 | 8 | 2 |
| 2 | 7 | 9 | 2 | 3 | 5 | 3 | 1 | 4 | 2 | 8 | 10 |
| 9 | 2 | 7 | 5 | 2 | 3 | 4 | 1 | 3 | 10 | 2 | 8 |
| 7 | 4 | 3 | 3 | 5 | 2 | 5 | 1 | 3 | 10 | 8 | 2 |
| 5 | 3 | 2 | 5 | 3 | 2 | 4 | 1 | 3 | 2 | 10 | 8 |
| 10 | 5 | 5 | 4 | 8 | 4 | 3 | 6 | 4 | 2 | 2 | 4 |
| 10 | 5 | 5 | 8 | 4 | 4 | 3 | 6 | 3 | 4 | 2 | 2 |
| 5 | 5 | 5 | 4 | 4 | 4 | 6 | 3 | 3 | 4 | 2 | 2 |

Children may be uncertain when addition or subtraction takes them over a tens "border," for example, where the child is asked to write 10 more than 90.

Fact families



Finish the fact family for each group of numbers.

| | |
|---|---|
| 5 | 9 |
| • | • |

| |
|-----------|
| 5 + 4 = 9 |
| 4 + 5 = 9 |
| 9 - 4 = 5 |
| 9 - 5 = 4 |

Finish the fact family for each group of numbers.

| | | |
|---|---|---|
| 4 | 7 | 3 |
| • | • | • |

| | | |
|---|---|---|
| 3 | 8 | 5 |
| • | • | • |

| | | |
|---|---|---|
| 6 | 7 | 1 |
| • | • | • |

| | | |
|---|---|---|
| 2 | 6 | 4 |
| • | • | • |

| |
|-----------|
| 4 + 3 = 7 |
| 3 + 4 = 7 |
| 7 - 3 = 4 |
| 7 - 4 = 3 |

| |
|-----------|
| 3 + 5 = 8 |
| 5 + 3 = 8 |
| 8 - 5 = 3 |
| 8 - 3 = 5 |

| |
|-----------|
| 6 + 1 = 7 |
| 1 + 6 = 7 |
| 7 - 1 = 6 |
| 7 - 6 = 1 |

| |
|-----------|
| 2 + 4 = 6 |
| 4 + 2 = 6 |
| 6 - 4 = 2 |
| 6 - 2 = 4 |

| | | |
|---|---|---|
| 2 | 9 | 7 |
| 2 | 3 | 5 |

| | | |
|----|---|---|
| 1 | 3 | 4 |
| 10 | 8 | 2 |

| |
|-----------|
| 2 + 7 = 9 |
| 7 + 2 = 9 |
| 9 - 2 = 7 |
| 9 - 7 = 2 |

| |
|------------|
| 2 + 8 = 10 |
| 8 + 2 = 10 |
| 10 - 2 = 8 |
| 10 - 8 = 2 |

| | |
|----|---|
| 10 | 5 |
| 10 | 5 |

| | |
|---|---|
| 4 | 8 |
| 8 | 4 |

| | |
|---|---|
| 3 | 6 |
| 6 | 3 |

| | |
|---|---|
| 4 | 2 |
| 2 | 2 |

Write the fact family for each group of numbers.

| | | |
|----|---|---|
| 10 | 3 | 7 |
| 3 | 9 | 6 |

| | | |
|---|---|---|
| 6 | 8 | 2 |
| 5 | 7 | 2 |

| |
|-----------|
| 6 + 2 = 8 |
| 2 + 6 = 8 |
| 8 - 2 = 6 |
| 8 - 6 = 2 |

| |
|-----------|
| 5 + 2 = 7 |
| 2 + 5 = 7 |
| 7 - 2 = 5 |
| 7 - 5 = 2 |

Children should understand that subtraction "undoes" addition. You may want to use counters to show the addition fact families.

Fractions



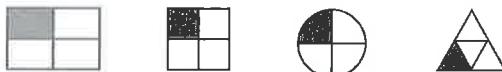
Colour one-third ($\frac{1}{3}$) of each shape.



Colour one-half ($\frac{1}{2}$) of each shape.



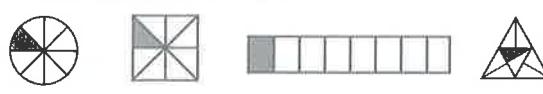
Colour one-fourth ($\frac{1}{4}$) of each shape.



Colour one-third ($\frac{1}{3}$) of each shape.



Colour one-eighth ($\frac{1}{8}$) of each shape.



Colour one-tenth ($\frac{1}{10}$) of each shape.



Sections other than those shown above may be coloured, but children must only colour one section in each shape. It is important for them to realize that the bottom number represents how many parts the whole has been divided into.

Adding



Write the answers between the lines.

$$\begin{array}{r} 13 \\ + 16 \\ \hline 29 \end{array} \quad \begin{array}{r} 11 \\ + 5 \\ \hline 16 \end{array} \quad \begin{array}{r} 14 \\ + 5 \\ \hline 19 \end{array}$$

Write the answers between the lines.

$$\begin{array}{r} 4 \\ + 9 \\ \hline 13 \end{array} \quad \begin{array}{r} 3 \\ + 6 \\ \hline 9 \end{array} \quad \begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array} \quad \begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array} \quad \begin{array}{r} 2 \\ + 5 \\ \hline 7 \end{array} \quad \begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array} \quad \begin{array}{r} 8 \\ + 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 6 \\ + 10 \\ \hline 16 \end{array} \quad \begin{array}{r} 7 \\ + 11 \\ \hline 18 \end{array} \quad \begin{array}{r} 13 \\ + 12 \\ \hline 25 \end{array} \quad \begin{array}{r} 31 \\ + 9 \\ \hline 40 \end{array}$$

Write the answers between the lines.

$$\begin{array}{r} 2 \\ 2 \\ + 2 \\ \hline 8 \end{array} \quad \begin{array}{r} 3 \\ 3 \\ + 3 \\ \hline 9 \end{array} \quad \begin{array}{r} 2 \\ 2 \\ + 6 \\ \hline 10 \end{array} \quad \begin{array}{r} 4 \\ 4 \\ + 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 12\text{¢} \\ 6\text{¢} \\ + 10\text{¢} \\ \hline 28\text{¢} \end{array} \quad \begin{array}{r} 12\text{¢} \\ 7\text{¢} \\ + 10\text{¢} \\ \hline 29\text{¢} \end{array} \quad \begin{array}{r} 8\text{¢} \\ 1\text{¢} \\ + 6\text{¢} \\ \hline 15\text{¢} \end{array} \quad \begin{array}{r} 3\text{¢} \\ 9\text{¢} \\ + 6\text{¢} \\ \hline 18\text{¢} \end{array}$$

$$\begin{array}{r} 20\text{¢} \\ 7\text{¢} \\ + 10\text{¢} \\ \hline 37\text{¢} \end{array} \quad \begin{array}{r} 15\text{¢} \\ 10\text{¢} \\ + 2\text{¢} \\ \hline 27\text{¢} \end{array} \quad \begin{array}{r} 8\text{¢} \\ 10\text{¢} \\ + 4\text{¢} \\ \hline 22\text{¢} \end{array} \quad \begin{array}{r} 10\text{¢} \\ 8\text{¢} \\ + 10\text{¢} \\ \hline 28\text{¢} \end{array}$$

For a few of these exercises, make sure that children do not neglect to regroup. For the final two rows of the second section, children should add all of the ones column first.

Estimating length

Circle the longest string.



~



~

Circle the shortest string.



Circle the longest string.



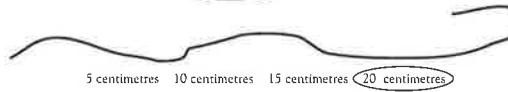
Look at the ruler. Circle the closest measure.



1 centimetres 2 centimetres 4 centimetres 8 centimetres



2 centimetres 4 centimetres 11 centimetres 30 centimetres



5 centimetres 10 centimetres 15 centimetres 20 centimetres

Children should be able to compare the lengths by sight. For the last section of the page, allow them to use a benchmark (such as the length of one joint of a finger) to estimate length.

Simple tally charts and bar graphs

Look at the tally chart and then answer the question.

| | |
|------|--|
| blue | |
| red | |

How many votes did blue receive?

18

Look at the tally chart and then answer the questions.

| Favourite ice cream flavours | |
|------------------------------|--|
| vanilla | |
| chocolate | |
| strawberry | |

Which flavour had the most votes?

chocolate

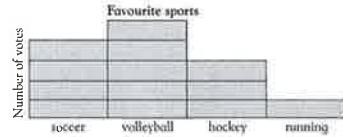
Which flavour had 11 votes?

vanilla

What was the difference in votes between the most popular flavour and strawberry?

6

Look at the bar graph and then answer the questions.



Which sport did four children vote for?

soccer

How many votes did volleyball receive?

7

Which was the least popular sport?

running

How many children voted altogether?

26

How many more voted for soccer than for hockey?

3

Children usually accept the concept of tally marks very quickly. They can count on by 5s for completed tallies.



Subtracting

Write the answers between the lines.

$$\begin{array}{r} 28 \\ - 16 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 31 \\ - 14 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 40 \\ - 17 \\ \hline 23 \end{array}$$

Write the answers between the lines.

$$\begin{array}{r} 7 \\ - 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 8 \\ - 8 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 28\text{¢} \\ - 16\text{¢} \\ \hline 12\text{¢} \end{array}$$

$$\begin{array}{r} 56\text{¢} \\ - 35\text{¢} \\ \hline 21\text{¢} \end{array}$$

$$\begin{array}{r} 40\text{¢} \\ - 8\text{¢} \\ \hline 32\text{¢} \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 46\text{¢} \\ - 35\text{¢} \\ \hline 12\text{¢} \end{array}$$

$$\begin{array}{r} 39\text{¢} \\ - 28\text{¢} \\ \hline 11\text{¢} \end{array}$$

$$\begin{array}{r} 50\text{¢} \\ - 47\text{¢} \\ \hline 3\text{¢} \end{array}$$

$$\begin{array}{r} 50\text{¢} \\ - 26\text{¢} \\ \hline 24\text{¢} \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 3 \\ - 0 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 39\text{¢} \\ - 26\text{¢} \\ \hline 13\text{¢} \end{array}$$

$$\begin{array}{r} 48\text{¢} \\ - 37\text{¢} \\ \hline 11\text{¢} \end{array}$$

$$\begin{array}{r} 48\text{¢} \\ - 38\text{¢} \\ \hline 10\text{¢} \end{array}$$

$$\begin{array}{r} 44\text{¢} \\ - 36\text{¢} \\ \hline 8\text{¢} \end{array}$$

In some of these exercises, children may incorrectly subtract the larger digit from the smaller one, when they should be subtracting the smaller digit from the larger one. In such cases, point out that children should regroup.



Addition properties

Circle the number that makes the sentence true.

$$\underline{\quad} + 7 = 7 \quad 43 + 21 = 21 + \underline{\quad}$$

1 (0) 14 22 64 (43)

Circle the number that makes the sentence true.

$$\underline{\quad} + 3 = 3 \quad 15 + \underline{\quad} = 15$$

(0) 3 6 30 (0) 5

$$\underline{\quad} + 23 = 23 + 16 \quad 25 + 41 = 41 + \underline{\quad}$$

(16) 23 46 16 66 (25)

$$\underline{\quad} + 45 = 45 \quad 50 + 0 = 0 + \underline{\quad}$$

45 (0) 1 (50) 0 500

Complete the number sentences.

$$0 + 27 = 27 \quad 40 + 0 = 40 \quad 13 + 28 = 28 + 13$$

$$25 + 3 = 3 + 25 \quad 47 + 0 = 47 \quad 16 + 43 = 43 + 16$$

$$2 + 28 = 28 + 2 \quad 0 + 12 = 12 \quad 28 + 20 = 20 + 28$$

$$35 + 0 = 35 \quad 10 + 0 = 10 \quad 20 + 8 = 8 + 20$$

$$47 + 0 = 47 \quad 8 + 0 = 8 \quad 34 + 11 = 11 + 34$$

This page tests children's understanding of the zero property and the commutative property of addition. Make sure that they understand that the order of addends does not affect the answer.

Reading tables

Read the table. Then answer the questions.

How old is Paul? **7**

Ages of cousins

| NAME | AGE |
|-------|-----|
| Kinta | 8 |
| Paul | 7 |
| Clara | 9 |
| Meg | 7 |
| Lee | 6 |

Who is older than Kinta? **Clara**

Who is the same age as Meg? **Paul**

Who is the youngest? **Lee**

Read the table. Then answer the questions.

How many people chose orange juice? **9**

Favourite juice

| | |
|-----------|---|
| Apple | 6 |
| Cranberry | 2 |
| Grape | 3 |
| Cherry | 1 |
| Orange | 9 |

Which juice did 2 people choose? **Cranberry**

How many more people like orange juice than apple juice? **3 more**

Did more people choose grape juice or cranberry juice? **Grape juice**

Read the table. Then answer the questions.

Mass of dogs

| NAME | Bear | Mike | Perry | Spike | Marca |
|-----------|------|------|-------|-------|-------|
| KILOGRAMS | 30 | 6 | 9 | 5 | 3 |

Which dog has a mass of more than 25 kilograms? **Bear**

Which dog has a mass of less than 4 kilograms? **Marca**

How much more mass does Perry have than Mike? **3 kilograms**

How much less mass does Spike have than Mike? **1 kilogram**

If children have difficulty reading the information in the last table, help them with one question, reading across the appropriate row and down the appropriate column, showing them the intersection of the two.

Reading a calendar

Look at this calendar. Then answer the questions.

September

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

What day of the week is the first day of September on this calendar? **Monday**

What date is the last Tuesday in September? **September 30**

Look at this calendar. Then answer the questions.

How many days are in the month of July? **31 days**

July

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

What day of the week is the last day of July on this calendar? **Saturday**

A camp starts on July 5 and ends on July 9. How many camp days are there? **5 days**

The campers go swimming on Tuesday and Thursday. On which dates will they swim? **July 6 and July 8**

Look at this calendar. Then answer the questions.

What date is the first Sunday of November? **November 2**

November

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

What day of the week is November 14? **Friday**

How many Saturdays are shown in November? **5**

Jenna's birthday is November 23. What day of the week is it? **Sunday**

If children have difficulties, make sure they understand the abbreviations used in the calendars, and are able to read the calendars accurately.

Adding

Write the answer in the box.

$$\begin{array}{r} 34 \\ + 13 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 26 \\ + 15 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 73 \\ + 27 \\ \hline 100 \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 42 \\ + 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 37 \\ + 1 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 36 \\ + 13 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 56 \\ + 11 \\ \hline 59 \end{array}$$

$$\begin{array}{r} 37 \\ + 27 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 19 \\ + 17 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 14 \\ + 14 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 38 \\ - 5 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 23 \\ - 7 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 17 \\ - 17 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 18 \\ - 17 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 36 \\ - 16 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 33 \\ - 36 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 19 \\ - 19 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 37 \\ - 36 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 17 \\ - 4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 47 \\ - 27 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 45 \\ - 36 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ - 1 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 47 \\ - 47 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 54 \\ - 44 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 47 \\ - 35 \\ \hline 12 \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 43\text{¢} \\ - 17\text{¢} \\ \hline 26\text{¢} \end{array}$$

$$\begin{array}{r} 51\text{¢} \\ - 36\text{¢} \\ \hline 15\text{¢} \end{array}$$

$$\begin{array}{r} 45\text{¢} \\ - 44\text{¢} \\ \hline 1\text{¢} \end{array}$$

$$\begin{array}{r} 54\text{¢} \\ - 46\text{¢} \\ \hline 8\text{¢} \end{array}$$

$$\begin{array}{r} 10\text{¢} \\ - 4\text{¢} \\ \hline 6\text{¢} \end{array}$$

$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

Write the answer in the box.

$$\begin{array}{r} 41\text{¢} \\ - 24\text{¢} \\ \hline 17\text{¢} \end{array}$$

$$\begin{array}{r} 7\text{¢} \\ - 6\text{¢} \\ \hline 1\text{¢} \end{array}$$

$$\begin{array}{r} 10\text{¢} \\ - 4\text{¢} \\ \hline 6\text{¢} \end{array}$$

$$\begin{array}{r} 53\text{¢} \\ - 37\text{¢} \\ \hline 16\text{¢} \end{array}$$

$$\begin{array}{r} 7\text{¢} \\ - 6\text{¢} \\ \hline 1\text{¢} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

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$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

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$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

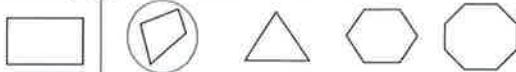
$$\begin{array}{r} 47\text{cm} \\ - 35\text{cm} \\ \hline 12\text{cm} \end{array}$$

$$\begin{array}{r} 36\text{cm} \\ - 18\text{cm} \\ \hline 18\text{cm} \end{array}$$

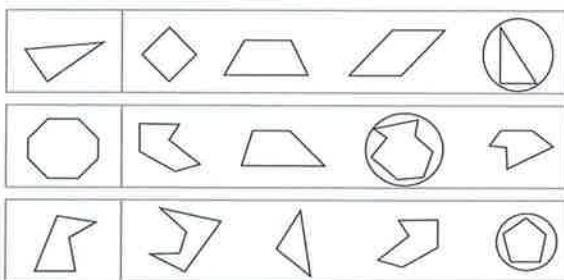
Properties of polygons



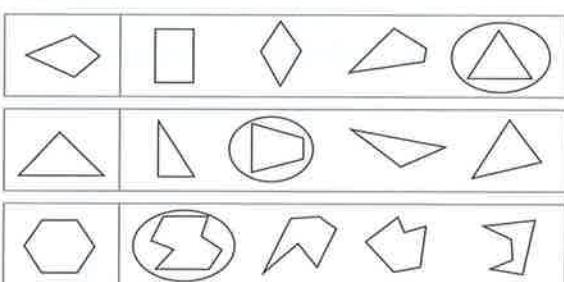
Circle the polygon that has the same number of sides.



Circle the polygon that has the same number of sides.



Circle the polygon that has a different number of sides.



Make sure that children understand that they are not looking for identical shapes, but figures with the given number of sides.

Most likely/least likely



Look at the marbles. Then answer the questions.

Which kind of marble would you be least likely to pick without looking?



Which kind of marble would you be most likely to pick without looking?



Look at the spinner. Then answer the questions.

Is the spinner more likely to land on 1 or 2? 1Is the spinner more likely to land on 2 or 3? 2Which number is the spinner most likely to land on? 1Which number is the spinner least likely to land on? 3

Look at the tally chart. Then answer the questions.

Imagine that each time you shake the bag, one coin falls out.

Tally of coins in the bag

| COINS | TALLIES |
|----------|---------|
| Pennies | |
| Dimes | |
| Nickels | |
| Quarters | |

Is a penny or a dime more likely to fall out? pennyIs a quarter or a nickel more likely to fall out? nickelWhich coin is most likely to fall out? nickelWhich coin is least likely to fall out? dime

Children should realize that the more of a particular item there is in a set, the more likely it is to be picked.

Venn diagrams

Read the clues to find the secret number.

1, 2, 3, 4, 5

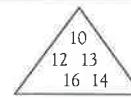
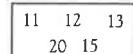
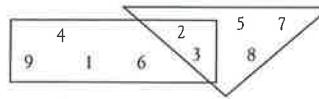
3, 5, 7

It is in both the rectangle and the circle.

It is greater than 3.

What number is it? 5

Read the clues to find the secret number.

It is not in the square.
It is an even number.
It is less than 12.What number is it? 10It is in the rectangle and the circle.
It is greater than 13 and less than 20.
It is an odd number.What number is it? 15It is not an even number.
It is in the triangle.
It is in the rectangle.What number is it? 3

If children have difficulties, "walk" them through the example. The final question is a Venn diagram showing which numbers are in both figures. You may want to ask children which numbers are in both the triangle and the rectangle.

3-dimensional shapes



Write the name of each shape.



Sphere

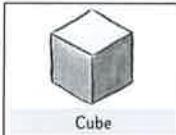


Cube

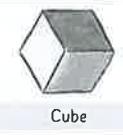
Write the name of each shape. Use the names in the Word Box.

Word Box
Sphere
Cube
Cylinder
Prism
Pyramid
Cone

Sphere



Cube



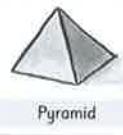
Cube



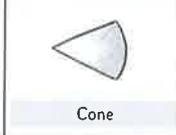
Cylinder



Cone



Pyramid



Cone



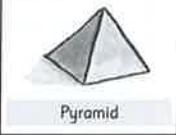
Prism



Cylinder



Prism



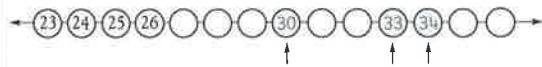
Pyramid

Children may confuse figures that have an unusual orientation. You may want to use real objects to help demonstrate this.

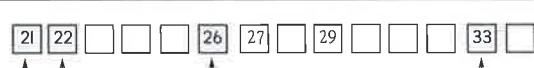
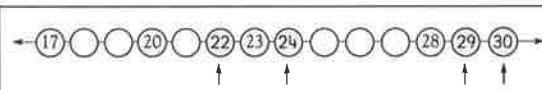
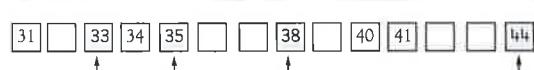
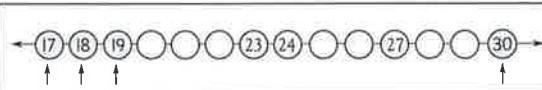
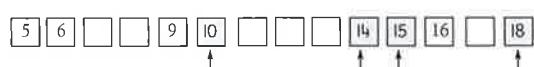
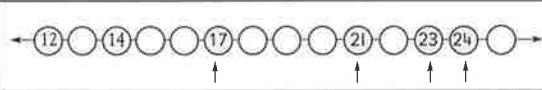
Counting



Write the missing number above each ↑.



Write the missing number above each ↑.



Each of the sequences involves counting by 1s. Children should fill in only the shapes marked with an arrow.

Finding patterns

Find the counting pattern. Write the missing numbers.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
|----|----|----|----|----|----|----|----|----|----|

Find the counting pattern. Write the missing numbers.

| | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
|---|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|---|---|---|----|----|----|----|----|----|----|
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
|---|---|---|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 11 | 15 | 19 | 23 | 27 | 31 | 35 | 39 | 43 | 47 |
|----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 |
|----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
|---|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|---|---|---|---|---|
| 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 |
|----|----|----|----|----|---|---|---|---|---|

| | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|
| 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 |
|-----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|----|----|----|----|----|----|----|----|----|-----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 58 | 55 | 52 | 49 | 46 | 43 | 40 | 37 | 34 | 31 |
|----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|---|
| 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 |
|----|----|----|----|----|----|----|----|----|---|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|---|
| 42 | 38 | 34 | 30 | 26 | 22 | 18 | 14 | 10 | 6 |
|----|----|----|----|----|----|----|----|----|---|

Reading tally charts



Look at the tally chart. Then answer the questions.

Winners at Tag

| Kelly | Mork | Sandy | Rita | Brad |
|-------|------|-------|------|------|
| | | | | |

Who won the most games? Brad

Who won more games, Sandy or Kelly? Kelly

How many more games did Rita win than Mark? 2 more

Look at the tally chart. Then answer the questions.

Colours of T-Shirts sold

| Blue | White | Green | Black |
|------|-------|-------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

Which colour shirt was sold most? Black

How many green shirts were sold? Black

Which colour sold more, blue or green? Blue

How many black shirts were sold? 12

How many more green shirts were sold than white shirts?

How many more black shirts were sold than green shirts? 3 more

How many T-shirts were sold in all? 40

Look at the tally chart. Then answer the questions.

Snack choices

| Chips | Cherries | Cheese | Cookie | Apple |
|-------|----------|--------|--------|-------|
| | | | | |

How many people chose chips? 9

Which snack did 7 people choose? Apple

Did more people choose chips or cookies? Chips

Which snack did the fewest people choose? Cherries

How many more people chose cheese than chips? 2 more

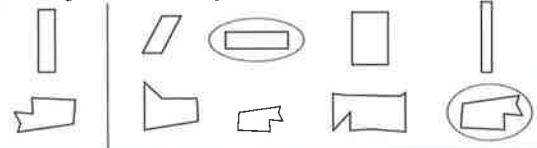
How many people chose apples and cherries? 12

Children usually accept the concept of tally marks very quickly. They can count on by fives for completed tallies.

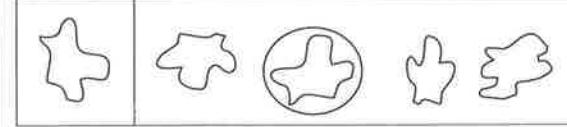
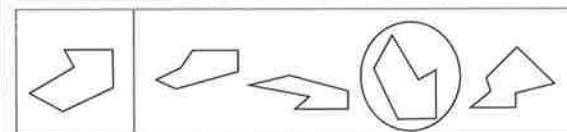
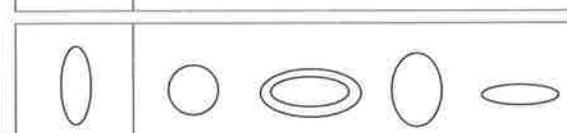


Same shape and size

Which figure has same shape and size?



Circle the figure that has same shape and size.



Make sure children look for both size and shape. They may have difficulty if the figures are drawn with different orientations.

Parts of a set



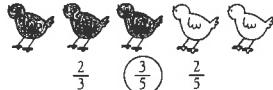
Write the fraction that shows the red part of the set.
How many of the fish are red?



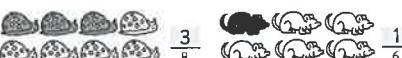
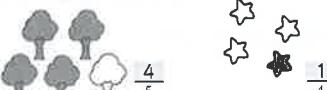
How many ? 3
How many fish in all? 4

Write the fraction.
 $\frac{3}{4}$ part of the set
whole set

Circle the fraction that shows the shaded part of the set.



Write the fraction that shows the shaded part of the set.



If children have difficulties, point out that the denominator—or bottom number of the fraction—is the total number of parts. The numerator—or top part of the fraction—is the number of shaded parts.

Measurement problems



Write the measurement shown by the arrow.



3 cm

Write the measurement shown by the arrow.



7 cm



4 cm



90 cm



73 cm



45 cm



31 cm



28 cm

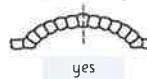


67 cm

Children should be able to read off scales of this type relatively easily. Make sure that children include the units in their answers.

Symmetry

Hold a mirror along the dotted line. Does it show a line of symmetry?



yes



no



yes

Does the dotted line show a line of symmetry? Write yes or no.



yes



no



yes



yes



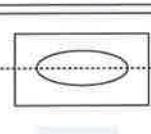
no



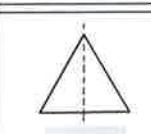
no



yes



yes



yes



yes



yes



yes

Some of these shapes have lines of symmetry in unusual positions. Let children use mirrors on the shapes if they are unsure of their answers.

3-dimensional shapes



Write the name of each shape in the box.



prism



sphere

Write the name of each shape in the box.



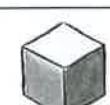
cone



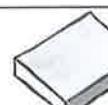
cylinder



cone



cube



prism



pyramid



pyramid



cone



cube



prism



sphere



cylinder

Children may be uncertain of the terms *prism* and *pyramid*. Show them objects to demonstrate the difference.



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| Grade 1 | Ages 6-7 | <ul style="list-style-type: none">Provides practice at all the major topics for Grade 1 with emphasis on addition and subtraction concepts.Includes a review of Kindergarten topics and a preview of topics in Grade 2. |
| Grade 2 | Ages 7-8 | <ul style="list-style-type: none">Provides practice at all the major topics for Grade 2 with emphasis on addition and subtraction of larger numbers.Includes a review of Grade 1 topics and a preview of topics in Grade 3.Includes Times Tables practice. |
| Grade 3 | Ages 8-9 | <ul style="list-style-type: none">Provides practice at all the major topics for Grade 3 with emphasis on basic multiplication and division facts.Includes a review of Grade 2 topics and a preview of topics in Grade 4.Includes Times Tables practice. |
| Grade 4 | Ages 9-10 | <ul style="list-style-type: none">Provides practice at all the major topics for Grade 4 with emphasis on multiplication and division of larger numbers.Includes a review of Grade 3 topics and a preview of topics in Grade 5.Includes Times Tables practice. |
| Grade 5 | Ages 10-11 | <ul style="list-style-type: none">Provides practice at all the major topics for Grade 5 with emphasis on addition and subtraction of fractions and decimals.Includes a review of Grade 4 topics.Includes Times Tables practice. |

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