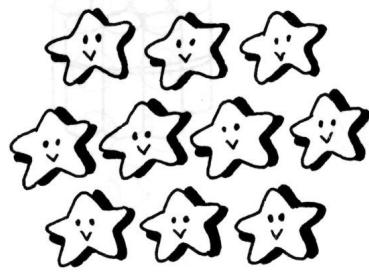


EXERCISE 43

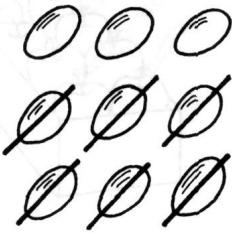
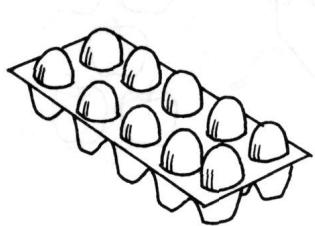
1. Subtract.



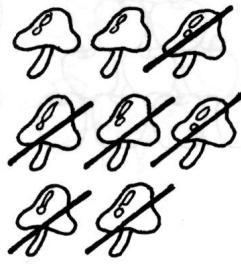
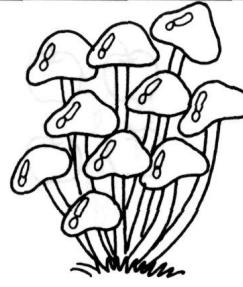
$$15 - 3 =$$



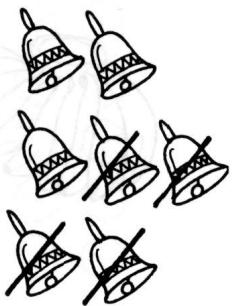
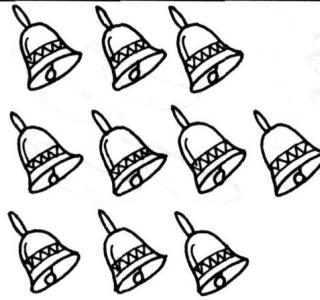
$$14 - 4 =$$



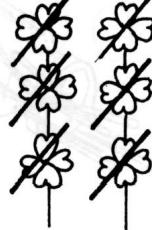
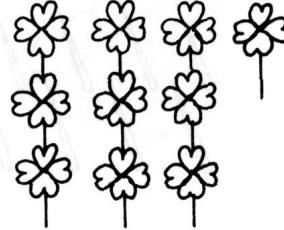
$$19 - 6 =$$



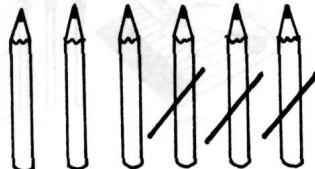
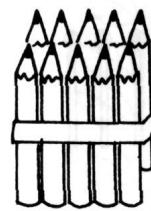
$$18 - 6 =$$



$$17 - 4 =$$

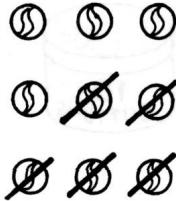


$$16 - 6 =$$

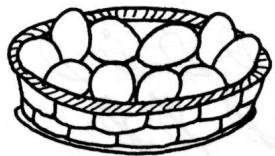


$$16 - 3 =$$

$$19 - 5 =$$

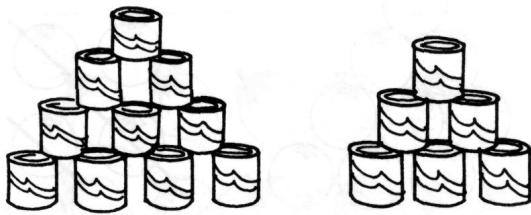


2. Subtract.



0 0 0

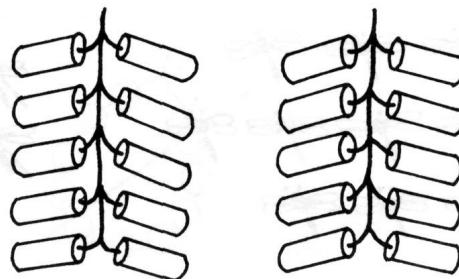
$13 - 1 =$



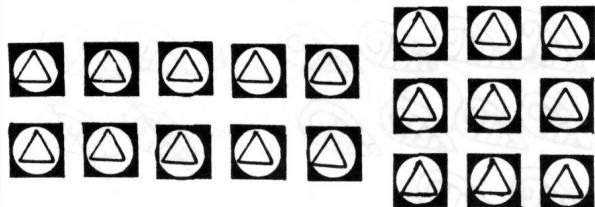
$16 - 5 =$



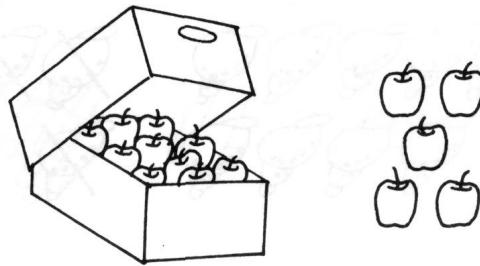
$17 - 5 =$



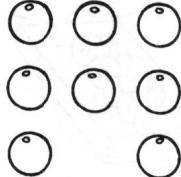
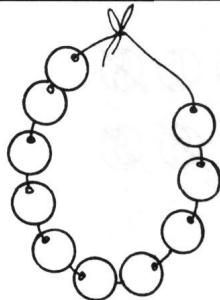
$20 - 3 =$



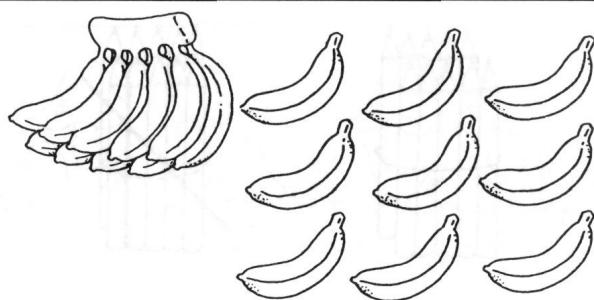
$19 - 7 =$



$15 - 4 =$

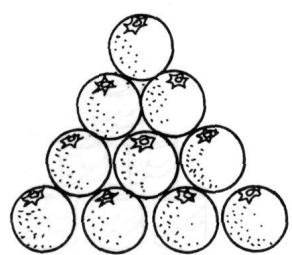


$18 - 5 =$

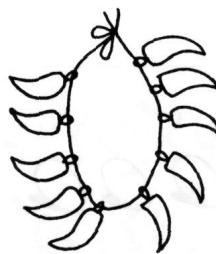
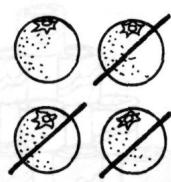


$19 - 4 =$

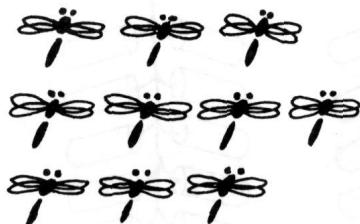
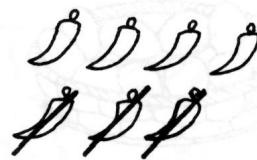
3. Complete the subtraction sentence for each picture.



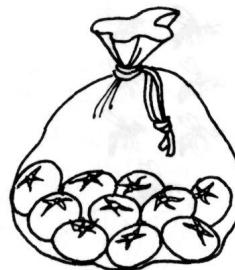
$14 - 3 =$



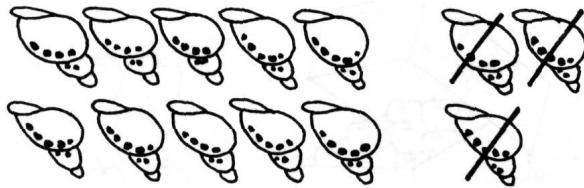
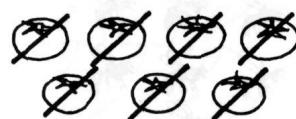
$17 - =$



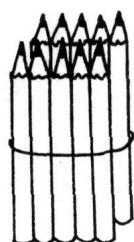
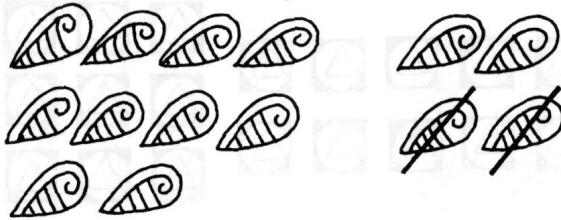
$12 - =$



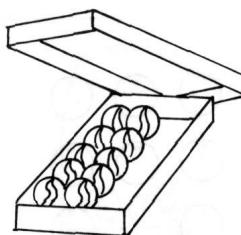
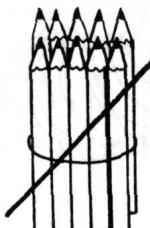
$17 - =$



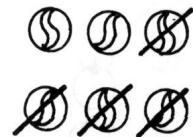
$13 - =$



$20 - =$

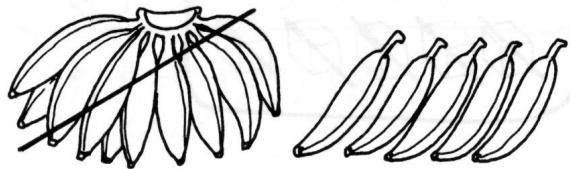


$16 - =$

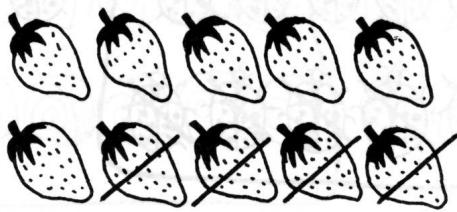


EXERCISE 44

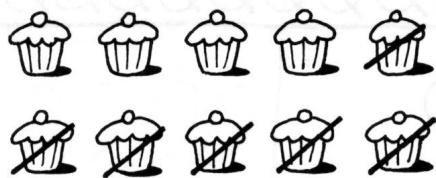
1. Subtract.



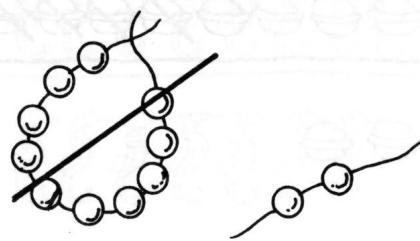
$$15 - 10 =$$



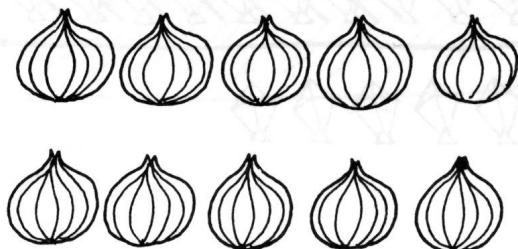
$$10 - 4 =$$



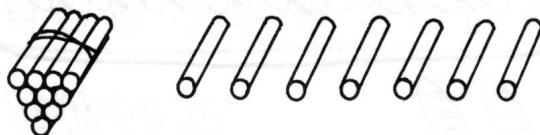
$$10 - 6 =$$



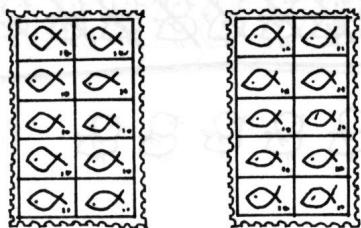
$$12 - 10 =$$



$$10 - 5 =$$



$$17 - 10 =$$

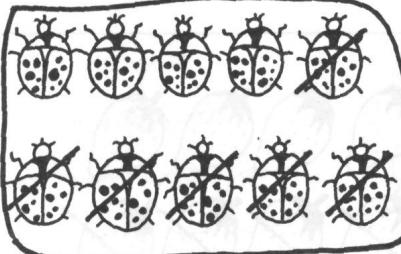


$$20 - 10 =$$

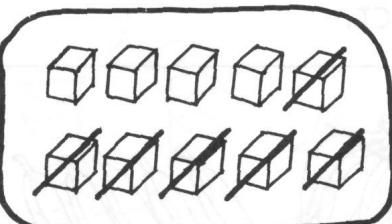


$$10 - 8 =$$

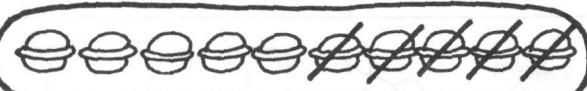
2. Subtract.



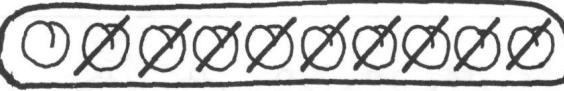
$$12 - 6 =$$



$$11 - 6 =$$



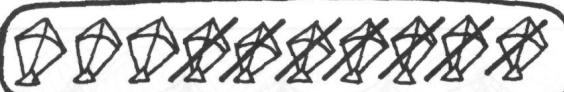
$$13 - 5 =$$



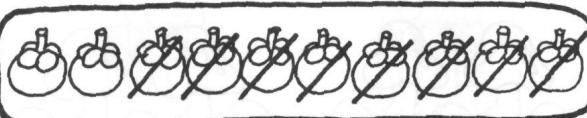
$$11 - 9 =$$



$$12 - 8 =$$



$$15 - 7 =$$



$$14 - 8 =$$

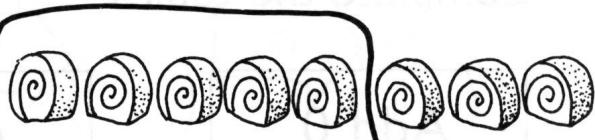


$$16 - 9 =$$

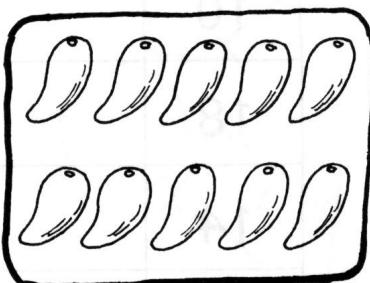
3. Subtract.



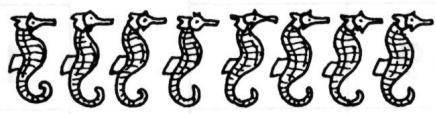
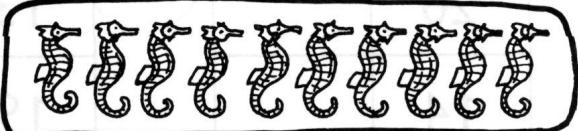
$$17 - 8 =$$



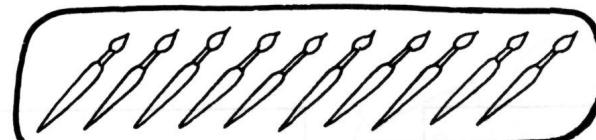
$$15 - 8 =$$



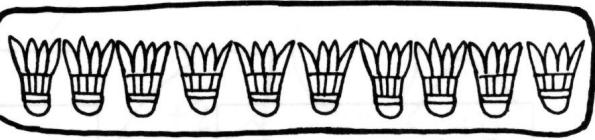
$$13 - 6 =$$



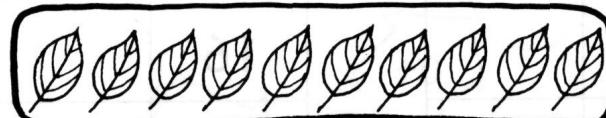
$$18 - 9 =$$



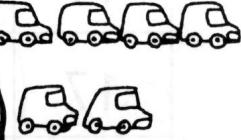
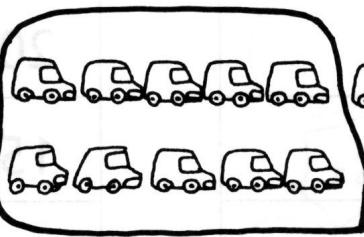
$$11 - 3 =$$



$$14 - 6 =$$



$$12 - 5 =$$



$$16 - 7 =$$

EXERCISE 45

1. Complete the tables.

| Add 0 | |
|-------|--|
| 11 | |
| 13 | |
| 20 | |
| 14 | |
| 19 | |
| 12 | |

| Add 1 | |
|-------|--|
| 14 | |
| 17 | |
| 13 | |
| 19 | |
| 15 | |
| 18 | |

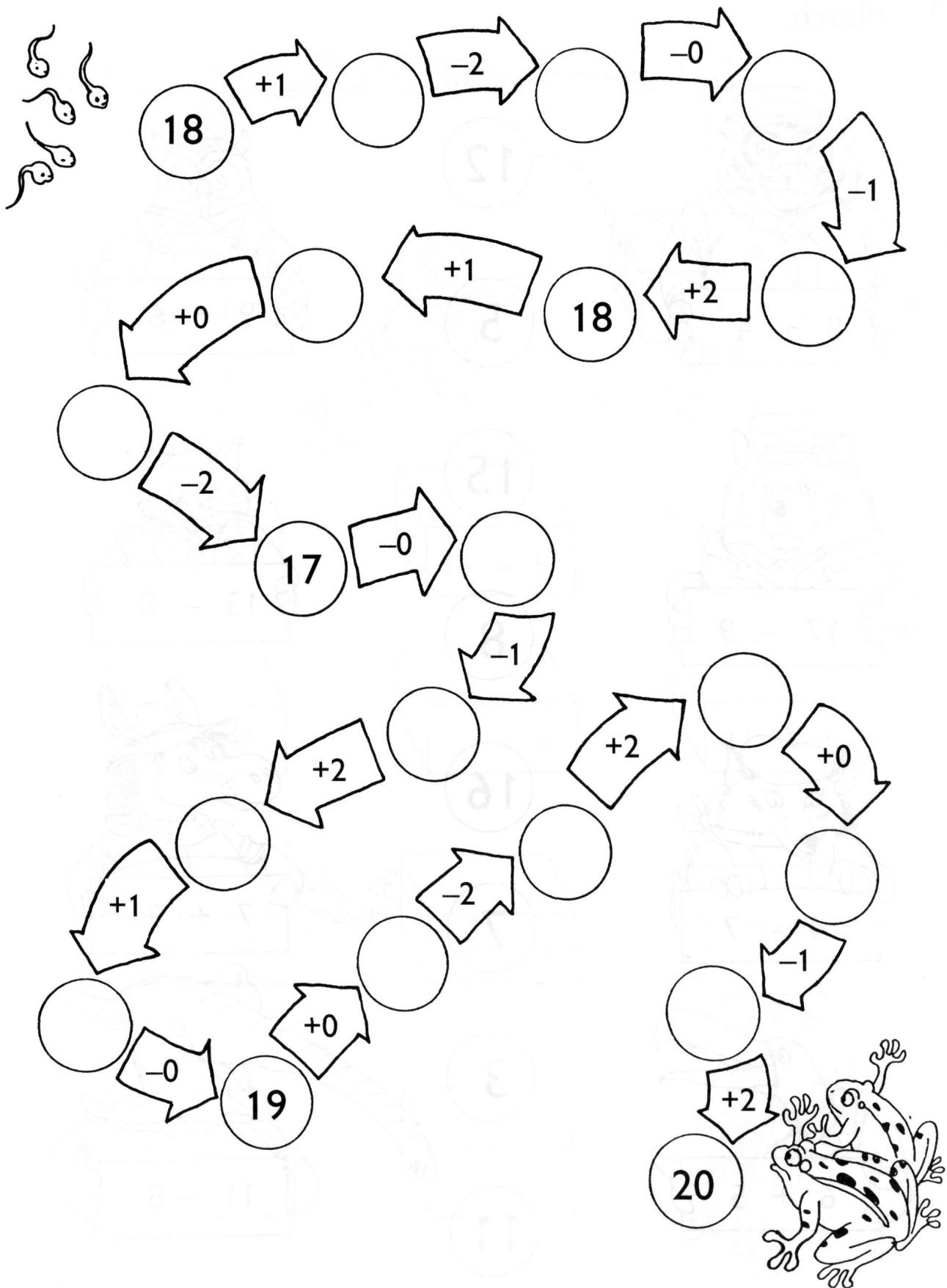
| Add 2 | |
|-------|--|
| 12 | |
| 16 | |
| 10 | |
| 18 | |
| 14 | |
| 11 | |

| Subtract 0 | |
|------------|--|
| 15 | |
| 19 | |
| 11 | |
| 17 | |
| 13 | |
| 10 | |

| Subtract 1 | |
|------------|--|
| 17 | |
| 14 | |
| 20 | |
| 15 | |
| 18 | |
| 12 | |

| Subtract 2 | |
|------------|--|
| 10 | |
| 19 | |
| 16 | |
| 11 | |
| 20 | |
| 13 | |

2. Fill in the missing numbers.



EXERCISE 46

1. Match.



12



5



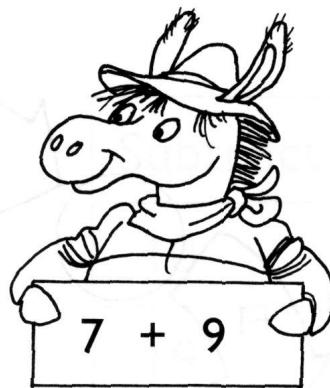
15



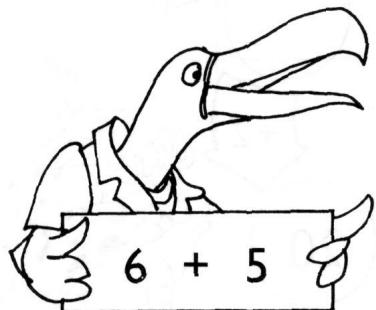
8



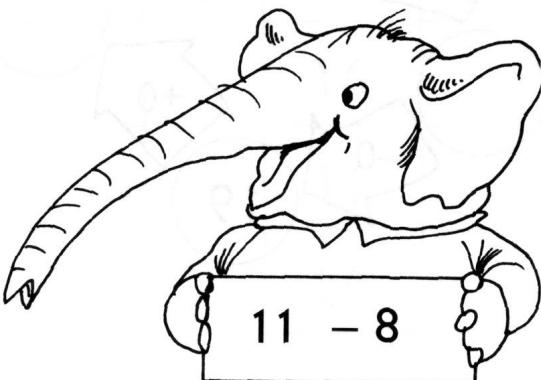
16



7

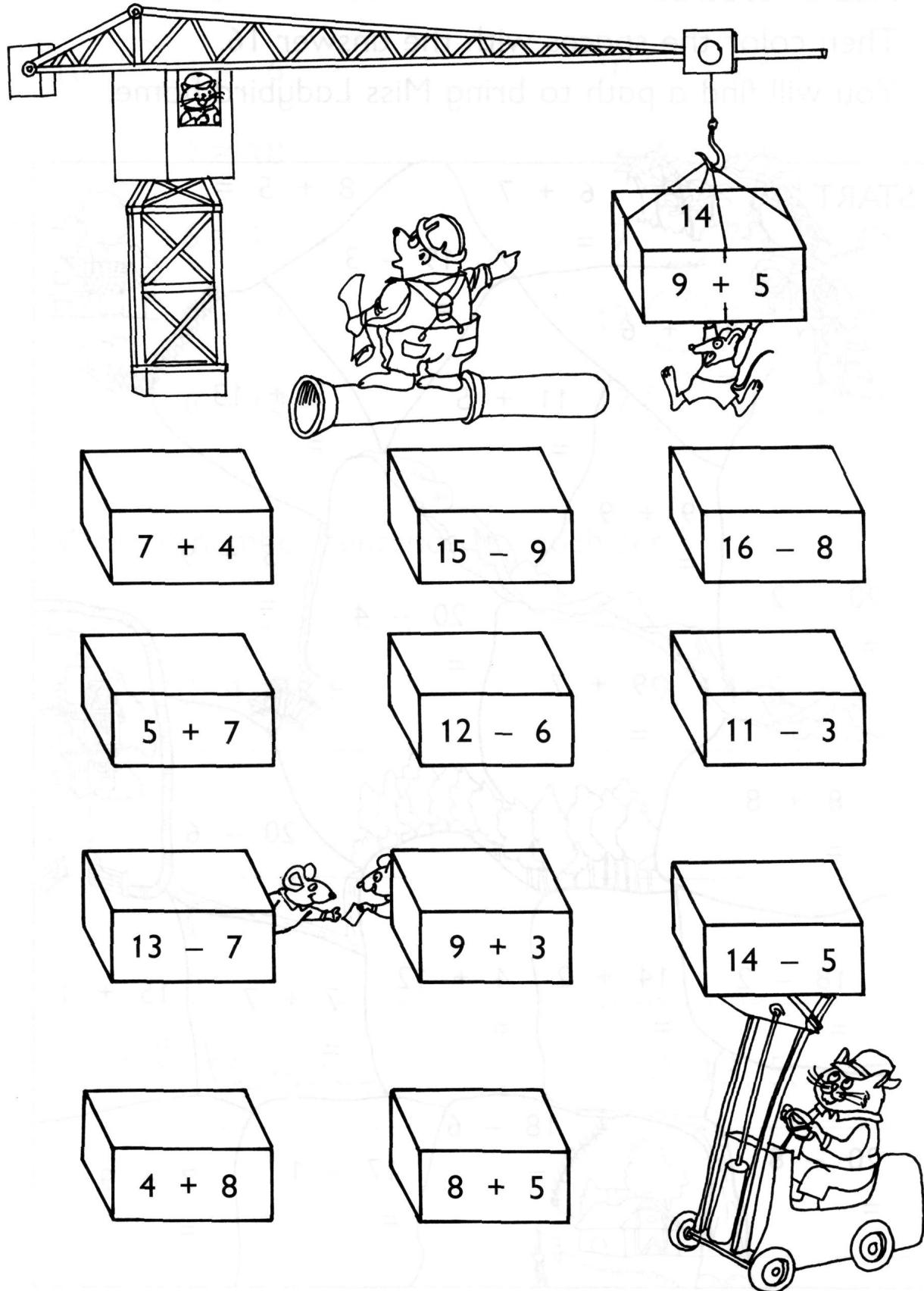


3



11

2. Add or subtract.

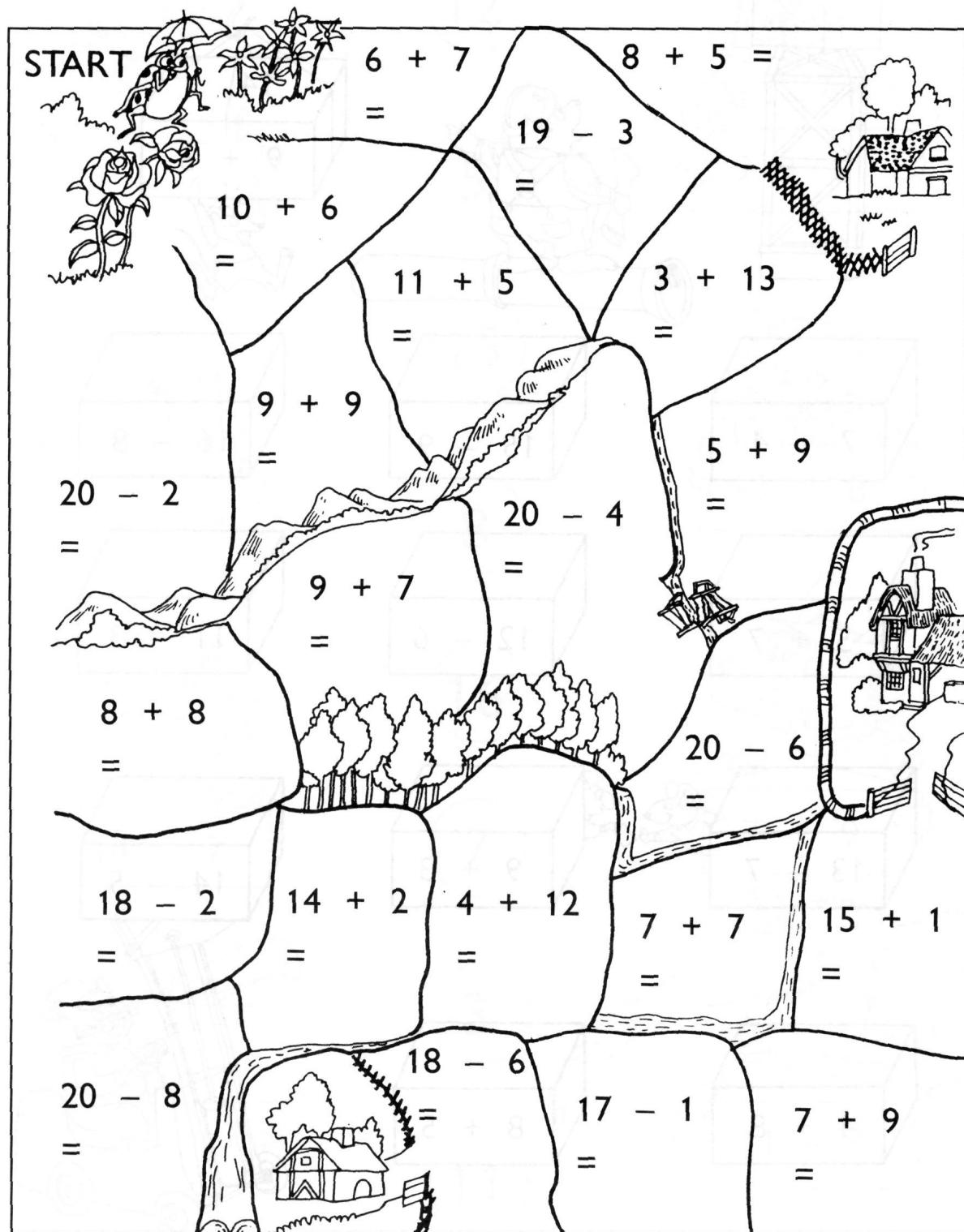


EXERCISE 47

1. Add or subtract.

Then color the spaces with the answer 16.

You will find a path to bring Miss Ladybird home.



EXERCISE 48

1. Write '+' or '-' in each ○.

$10 \bigcirc 4 = 6$

$9 \bigcirc 9 = 18$

$9 \bigcirc 6 = 15$

$15 \bigcirc 8 = 7$

$16 \bigcirc 6 = 10$

$10 \bigcirc 4 = 14$

$8 \bigcirc 8 = 0$

$7 \bigcirc 7 = 14$

$12 \bigcirc 9 = 3$

$17 \bigcirc 3 = 20$

2. Write a number sentence for each set.

12, 8, 4, =, +

9, 14, 5, +, =

7, 9, 16, -, =

8, 13, 5, -, =

3. Write 4 number sentences for each picture.

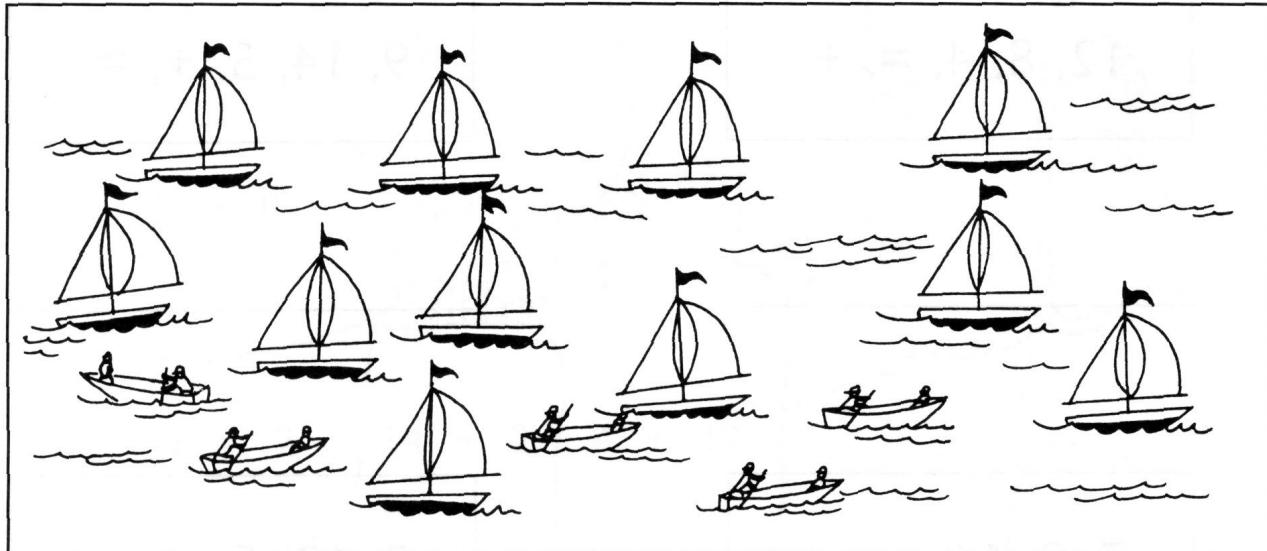


$$7 + 6 = 13$$

$$13 - 6 = 7$$

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

$$\square - \square = \square$$



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

$$\square - \square = \square$$

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

$$\square - \square = \square$$

EXERCISE 49

1. There are many addition and subtraction sentences in the puzzle below.

Find as many of them as you can.

Two examples are given.

| | | | | | | |
|--------------|----|----|----|----|----|---|
| 6 | 15 | - | 8 | = | 7 | 2 |
| + 13 = | 20 | 18 | 13 | 5 | 8 | |
| 19 | 17 | 4 | 14 | 3 | 17 | |
| 16 | 3 | 6 | 9 | 0 | 9 | |
| 10 | 2 | 10 | 11 | 9 | 20 | |
| 6 | 20 | 9 | 9 | 18 | 1 | |

REVIEW 4

1. Write the numbers.

(a) nine

9

(c) eleven

11

(e) fourteen

14

(g) twenty

20

(b) eight

8

(d) twelve

12

(f) eighteen

18

(h) seventeen

17

2. Add. Then pair up the number sentences.

$6 + 7 =$

$10 + 6 =$

$9 + 3 =$

$10 + 3 =$

$8 + 8 =$

$10 + 4 =$

$7 + 7 =$

$10 + 2 =$

3. Write two addition sentences and two subtraction sentences for the picture.



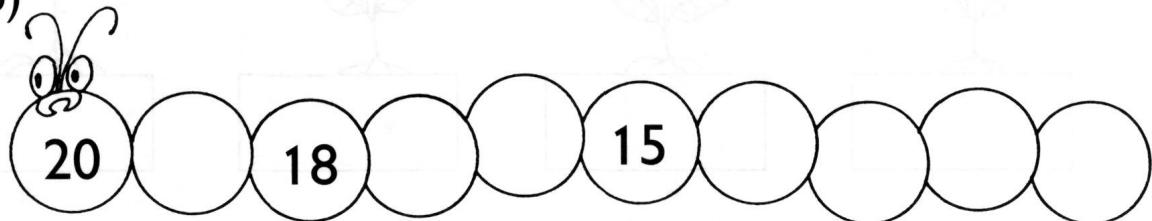
$\boxed{\quad} \ \bigcirc \ \boxed{\quad} = \boxed{\quad}$

4. Fill in the missing numbers.

(a)

| | | | | | | | | | | | | |
|----|--|--|--|--|----|--|--|--|----|--|----|--|
| 10 | | | | | 14 | | | | 17 | | 19 | |
|----|--|--|--|--|----|--|--|--|----|--|----|--|

(b)



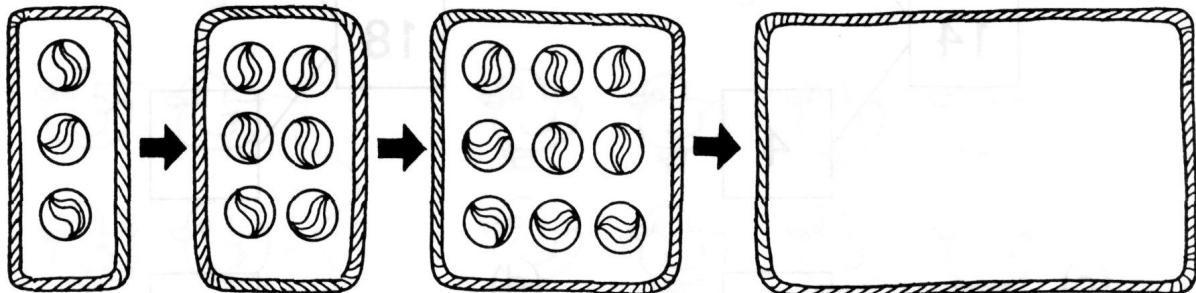
5. (a) Circle the greatest number.

(b) Cross out the smallest number.

| | | |
|----|----|----|
| 19 | 15 | 12 |
| 17 | 9 | |

6. What comes next?

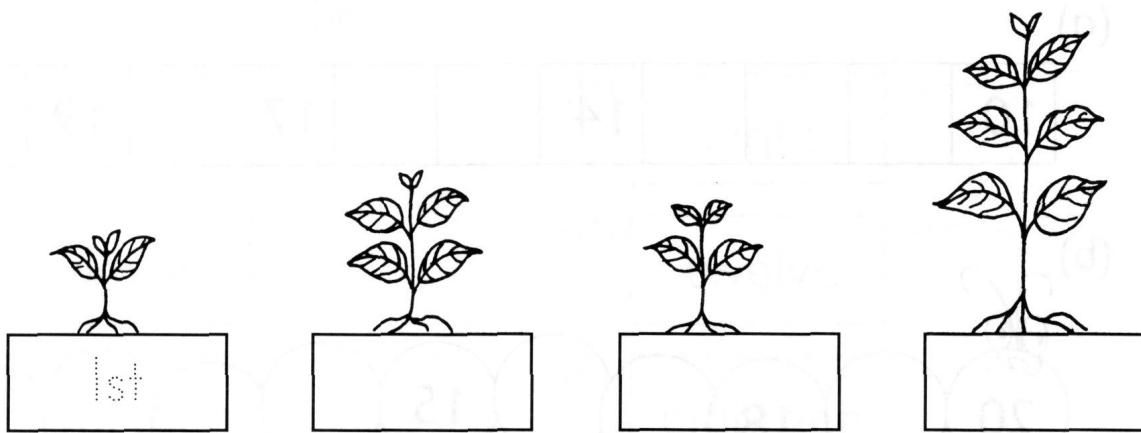
(a)



(b)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|---|--|
| 1 | → | 3 | → | 5 | → | 7 | → | 9 | → | 11 | → | |
|---|---|---|---|---|---|---|---|---|---|----|---|--|

7. Fill in 1st, 2nd, 3rd and 4th to show the order.

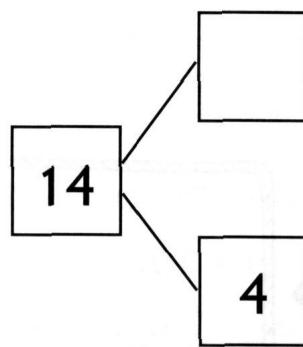


8. Circle the 4th letter of this word:

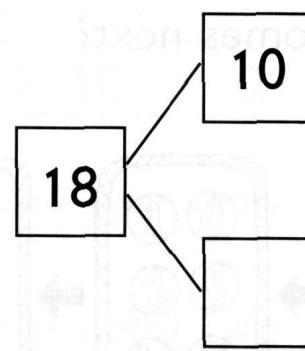
M A T H E M A T I C S

9. Write the missing numbers.

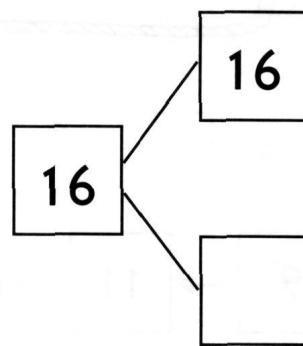
(a)



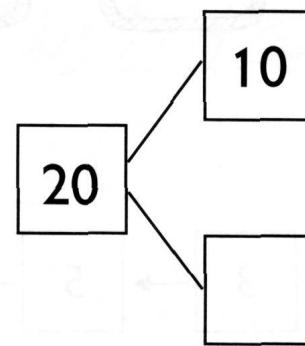
(b)



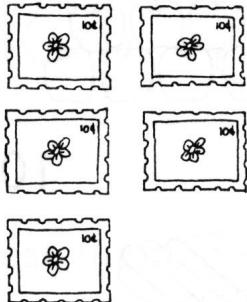
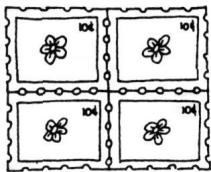
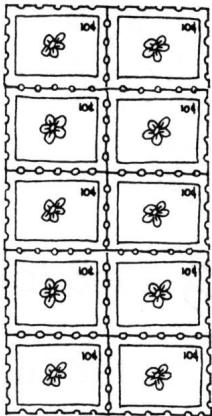
(c)



(d)



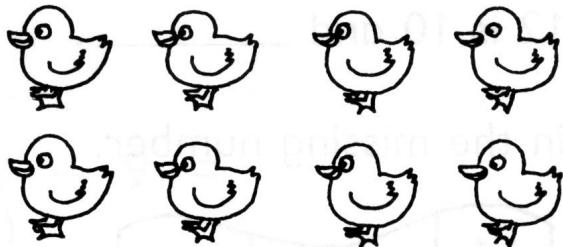
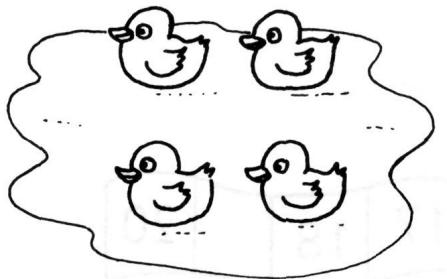
10. Samy has 14 stamps.
He buys 5 more.
How many stamps does he have now?



$$\square \bigcirc \square = \square$$

He has _____ stamps now.

11. There are 12 ducks.
4 are swimming.
How many ducks are not swimming?



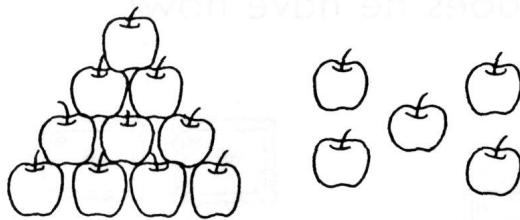
$$\square \bigcirc \square = \square$$

_____ ducks are not swimming.

REVIEW 5

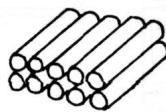
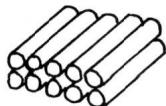
1. Add.

(a)



$$10 + 5 =$$

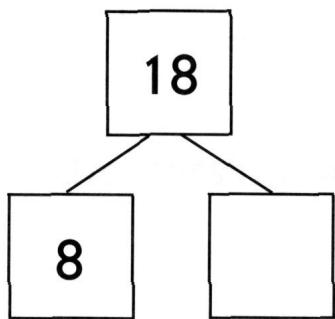
(b)



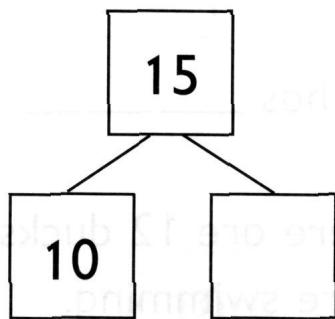
$$10 + 10 =$$

2. Fill in the missing numbers.

(a)



(b)



(c) 14 is _____ and 4.

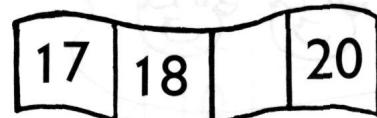
(d) 12 is 10 and _____.

3. Fill in the missing number.

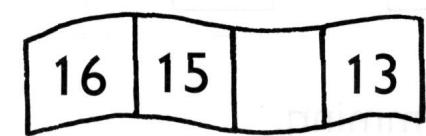
(a)



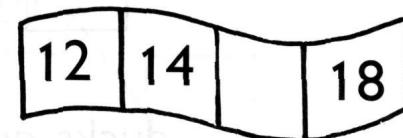
(b)



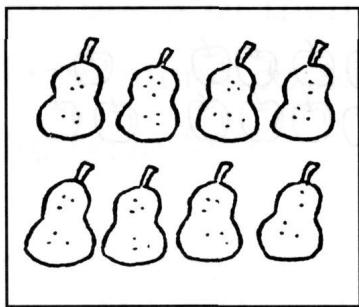
(c)



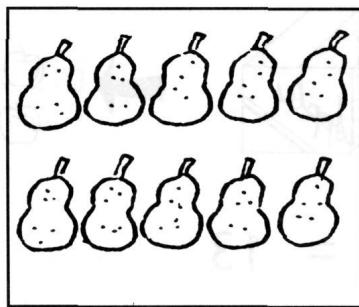
(d)



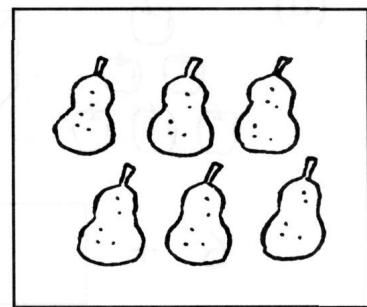
4. Fill in the blanks.



A



B



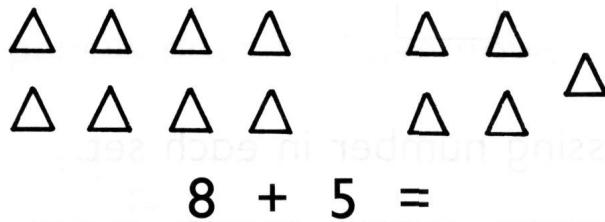
C

(a) Set _____ has the greatest number of pears.

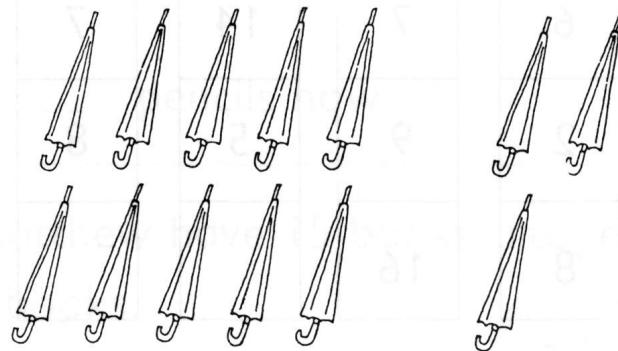
(b) Set _____ has the smallest number of pears.

5. Add or subtract.

(a)



(b)



6. Complete the number sentences.

(a) $7 + 3 =$

$7 + 4 =$

$7 + 5 =$

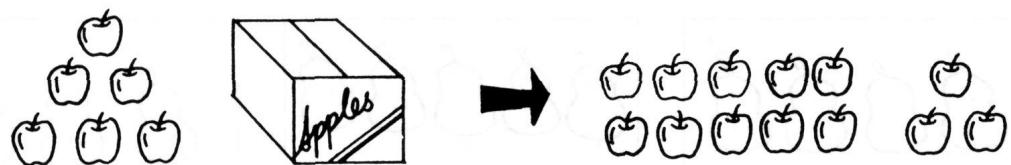
(b) $10 - 8 =$

$11 - 8 =$

$12 - 8 =$

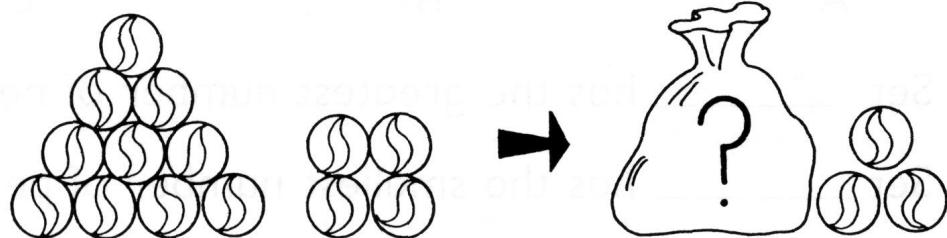
7. Write the missing numbers.

(a)



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

(b)



$$14 - 3 = \boxed{\quad}$$

8. Write the missing number in each set.

(a)

| | | | | | | |
|---|---|----|----|---|----|---|
| 4 | 6 | 7 | 14 | 7 | 9 | 8 |
| 3 | 2 | 9 | 5 | 8 | 9 | 6 |
| 7 | 8 | 16 | | | 12 | |

(b)

| | | | | | | |
|---|---|----|----|----|----|----|
| 5 | 9 | 12 | 15 | 11 | 16 | 10 |
| 2 | 3 | 9 | 9 | 7 | 6 | 4 |
| 3 | 6 | 3 | | | | |

9. Matthew had 12 cookies.
He ate 5 of them.
How many cookies did
he have left?

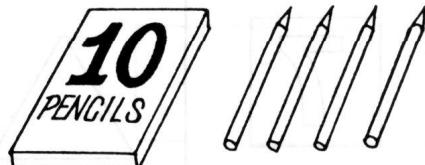


$$\square \bigcirc \square = \square$$

He had _____ cookies left.

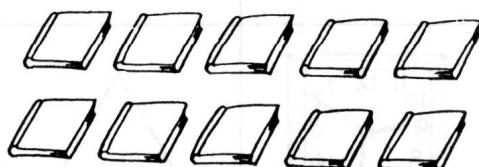
10. Joe has 14 pencils.
He buys 3 more.
How many pencils does he have now?

$$\square \bigcirc \square = \square$$

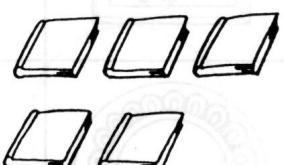


He has _____ pencils now.

11. Dani and Matthew have 15 books altogether.
Dani has 8 books.
How many books does
Matthew have?



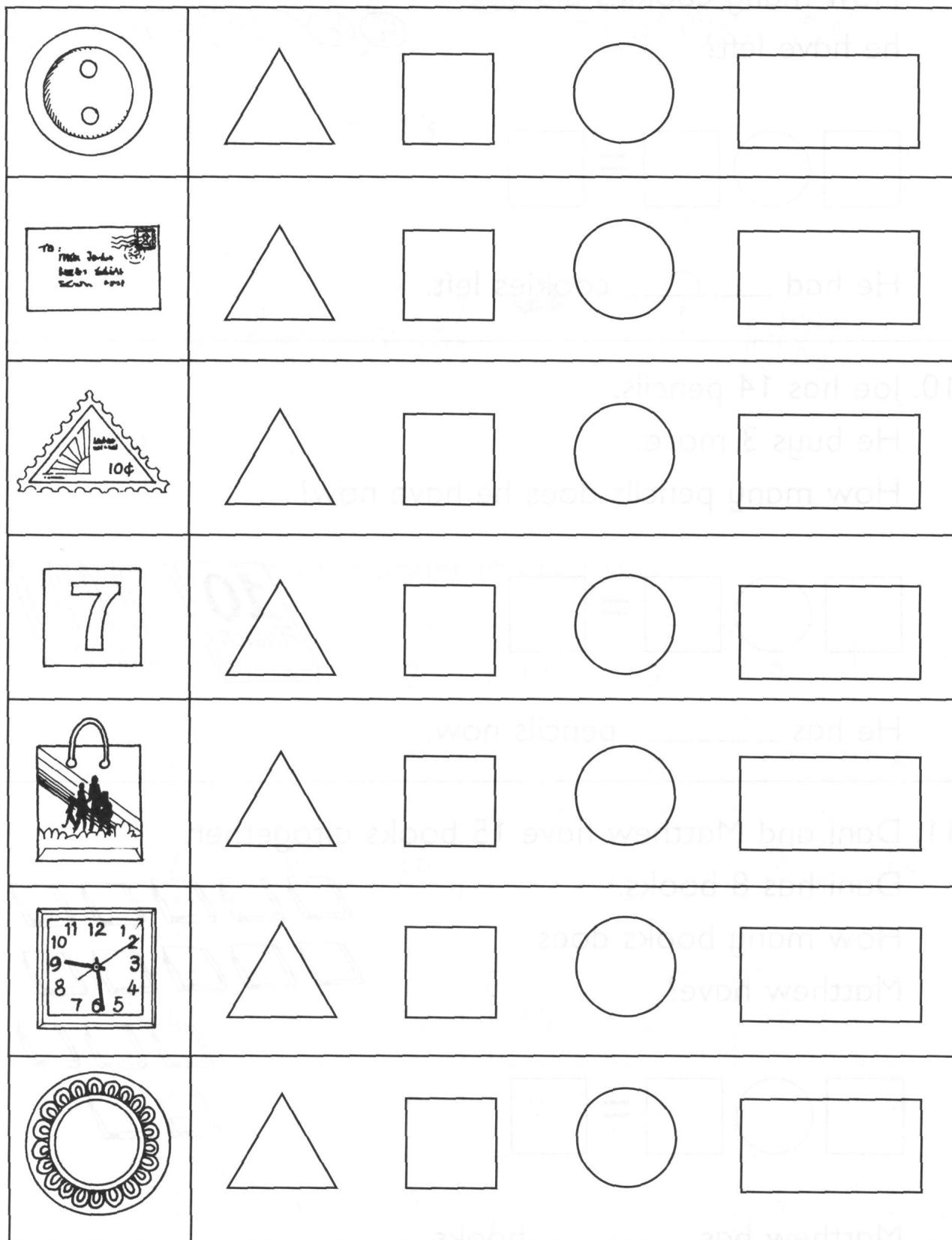
$$\square \bigcirc \square = \square$$



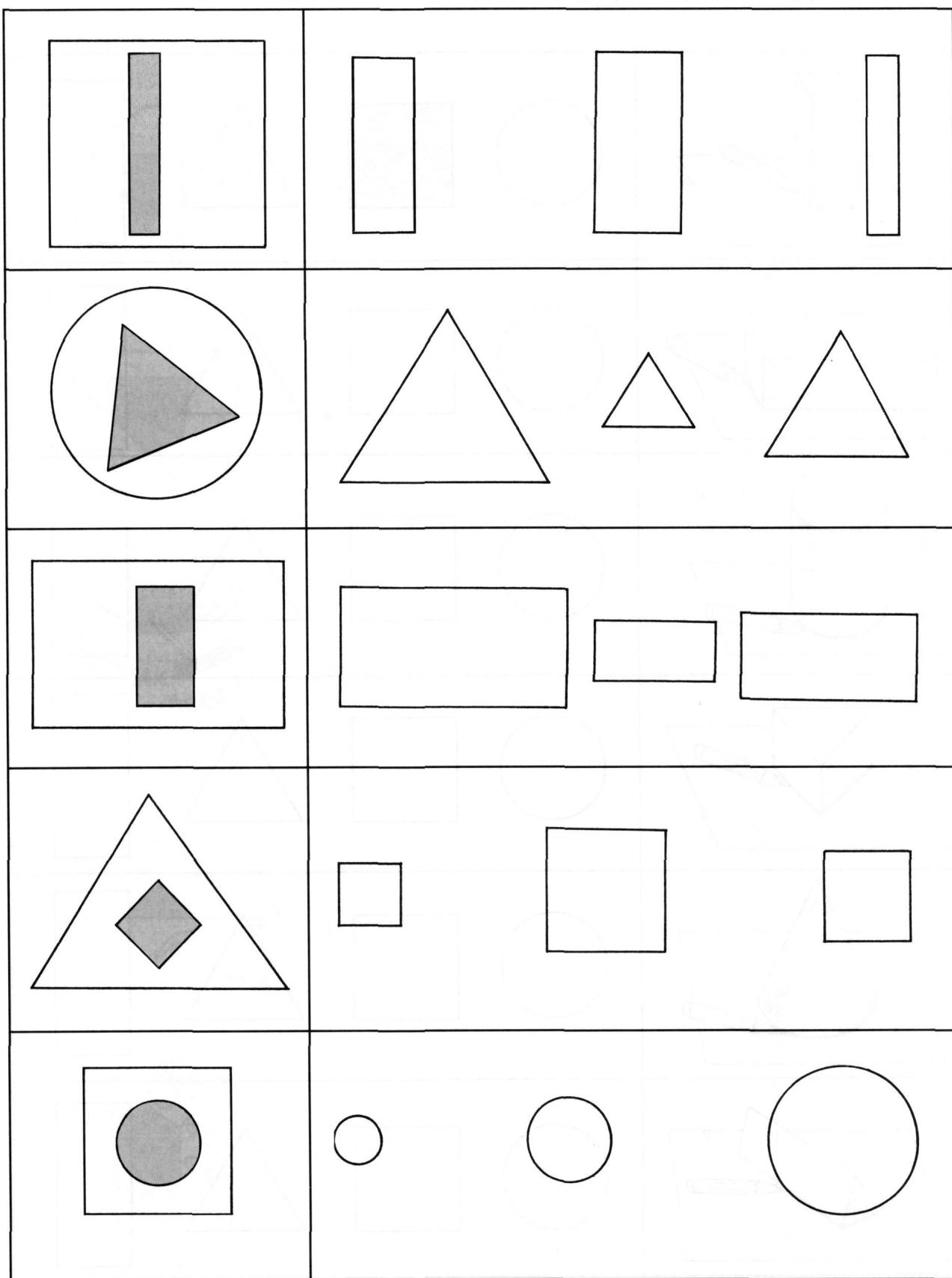
Matthew has _____ books.

EXERCISE 50

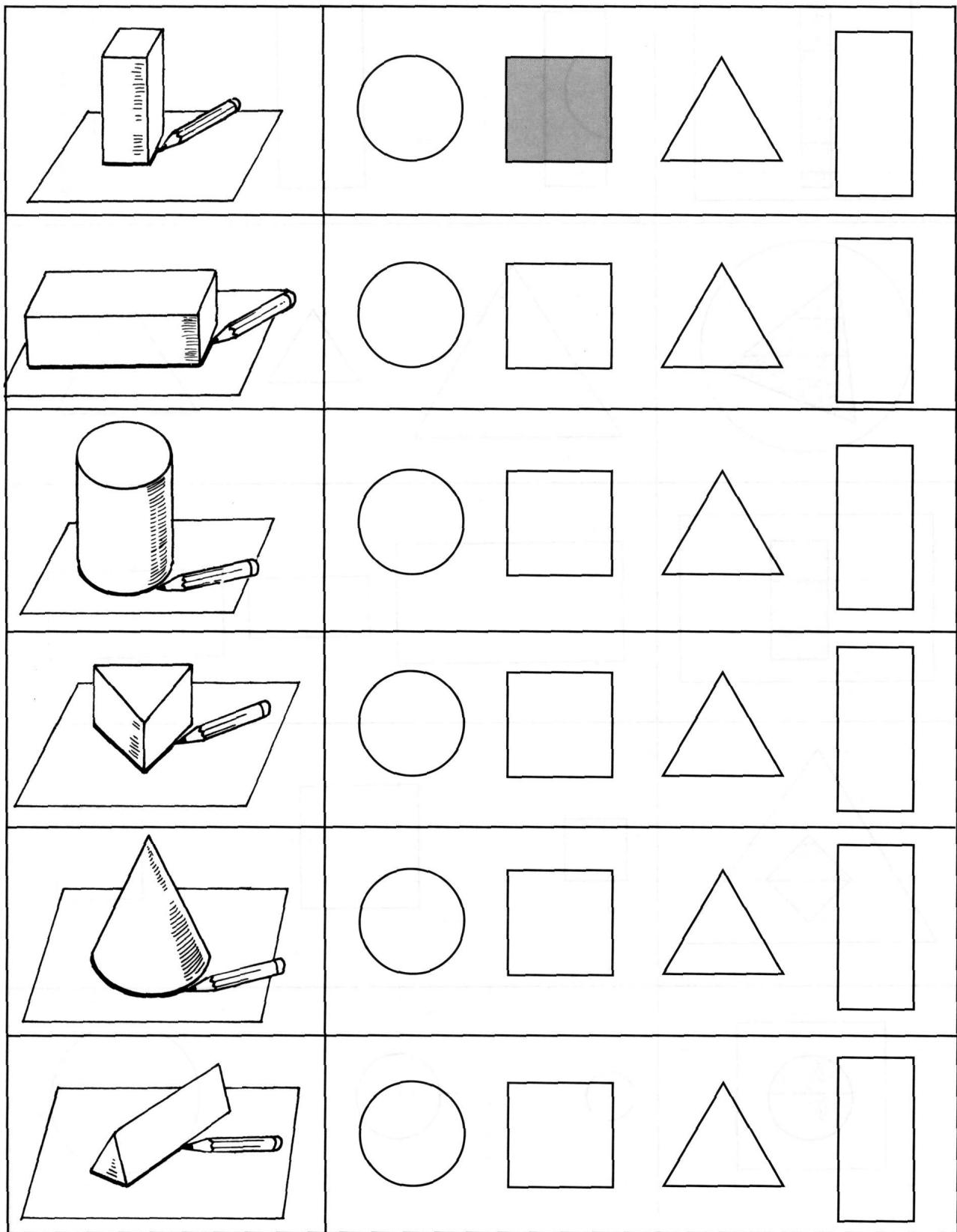
1. Color the shape that matches the object.



2. Color the shape that fits the shaded part.

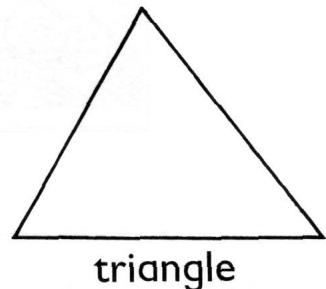
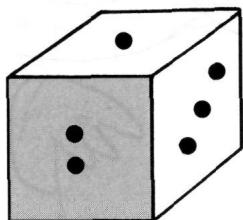


3. Color the shape that you can get by drawing around each solid as shown.

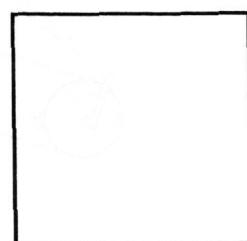
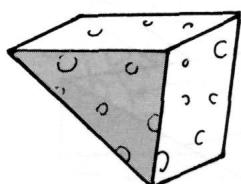


EXERCISE 51

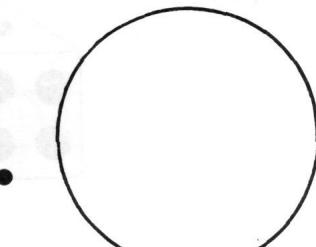
1. Match the shaded face of each object to the correct shape.



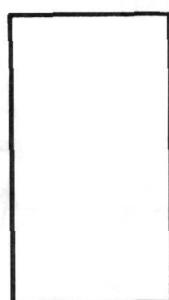
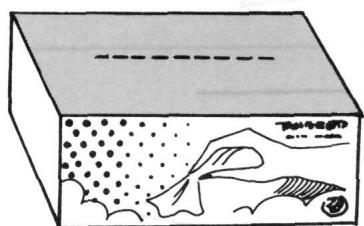
triangle



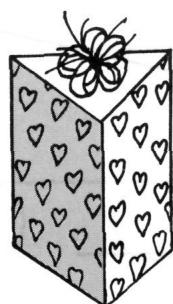
square



circle



rectangle



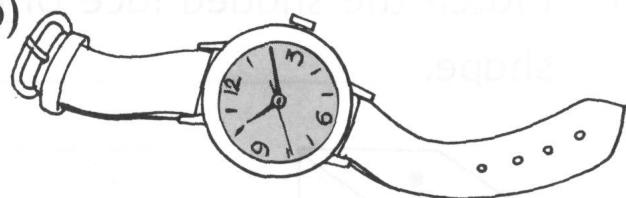
2. Name the shape of the shaded face.

(a)

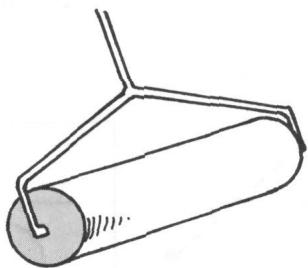


square

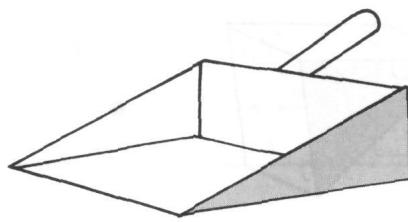
(b)



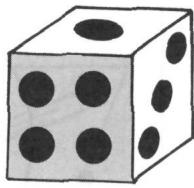
(c)



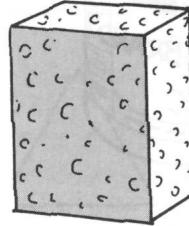
(d)



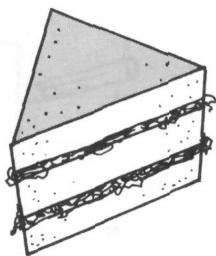
(e)



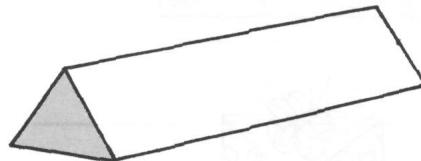
(f)



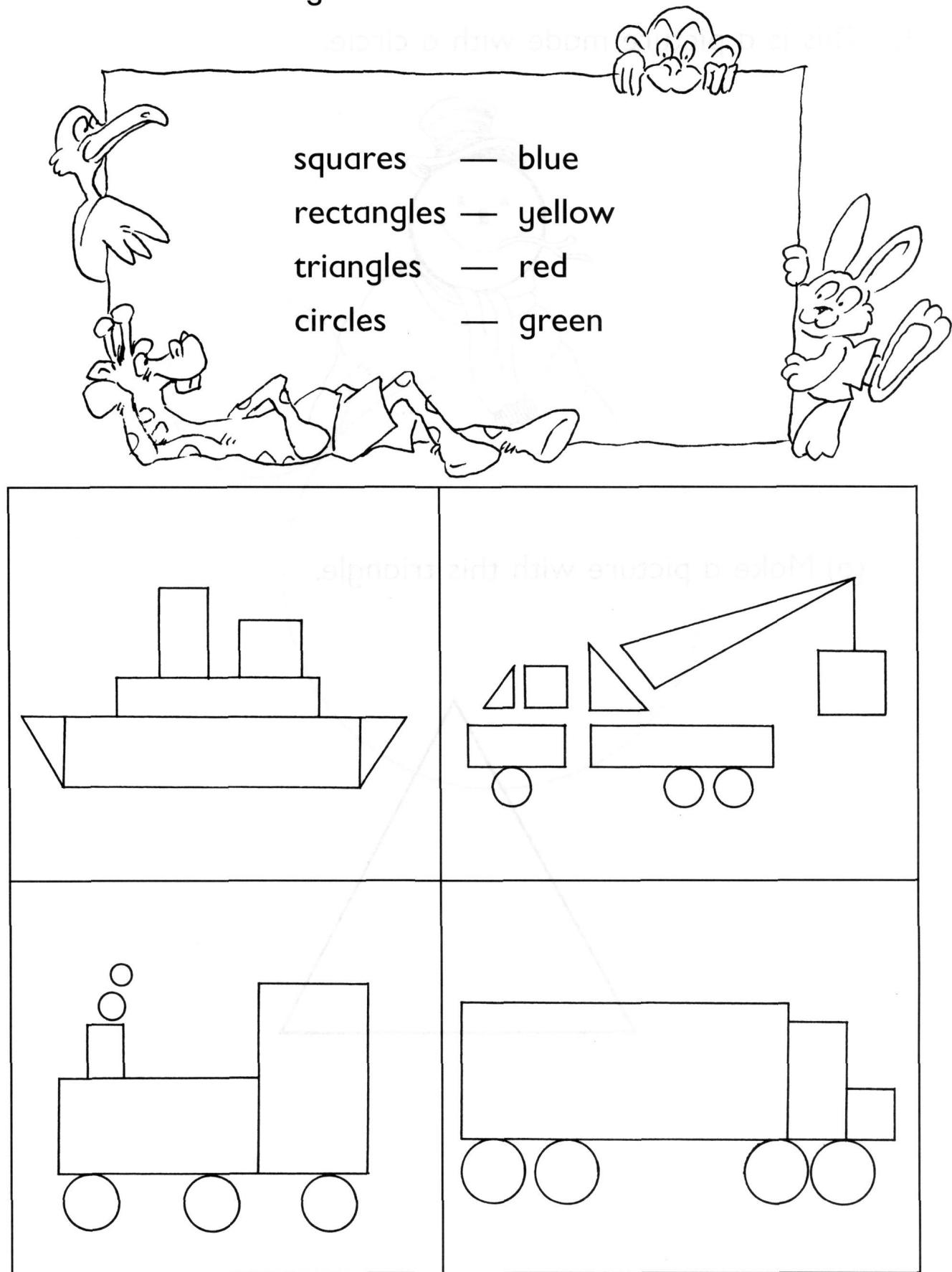
(g)



(h)



3. Color in this way:

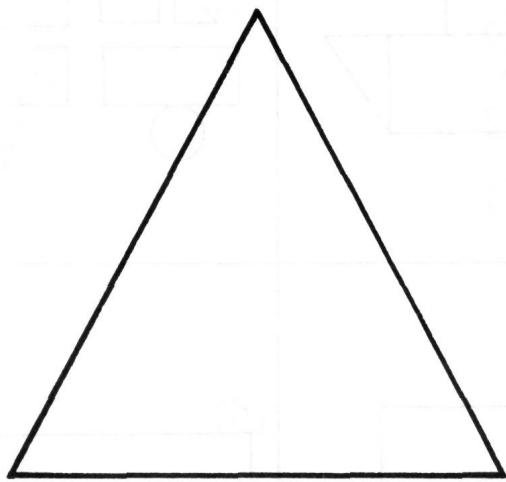


EXERCISE 52

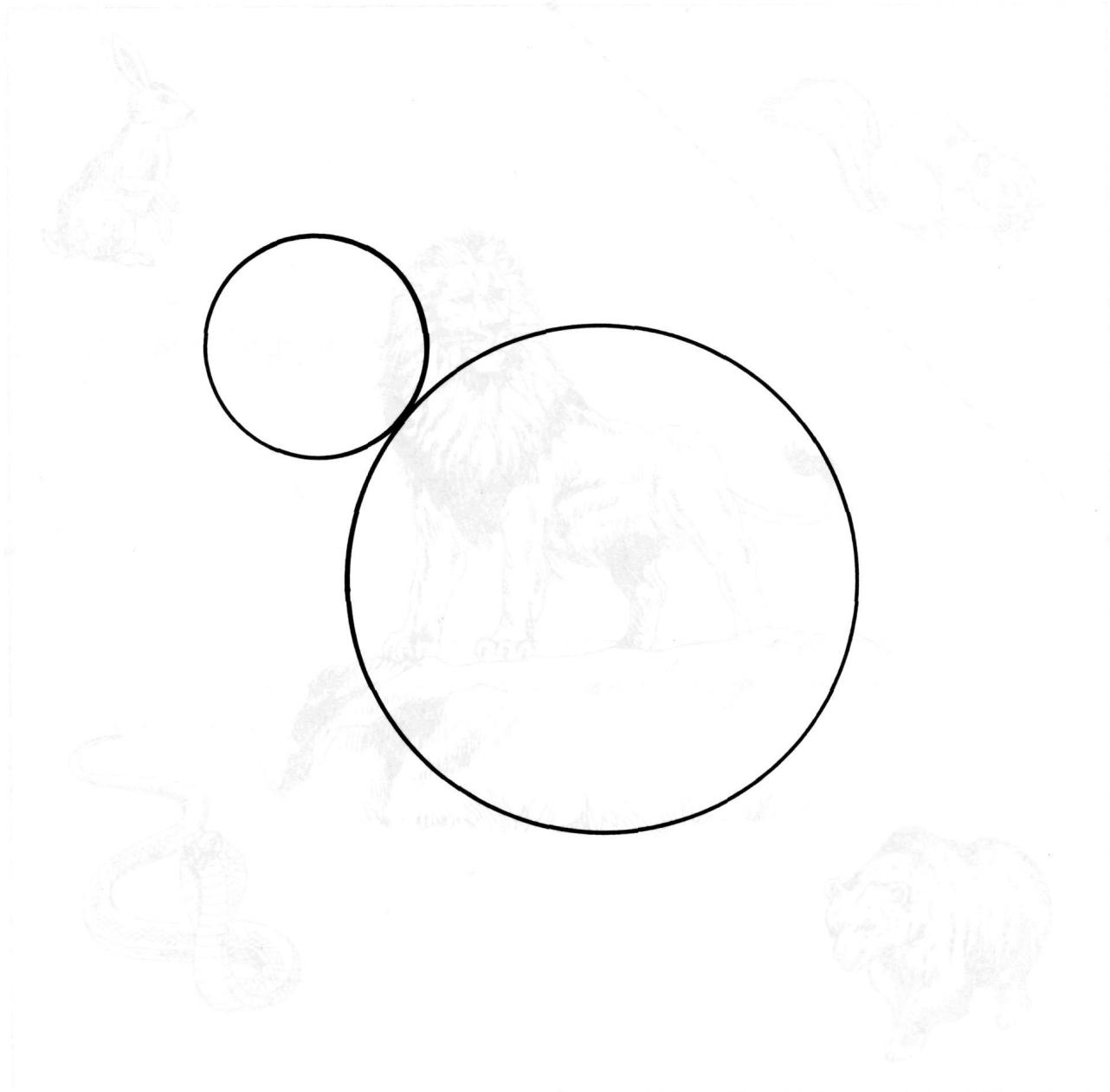
1. This is a picture made with a circle.



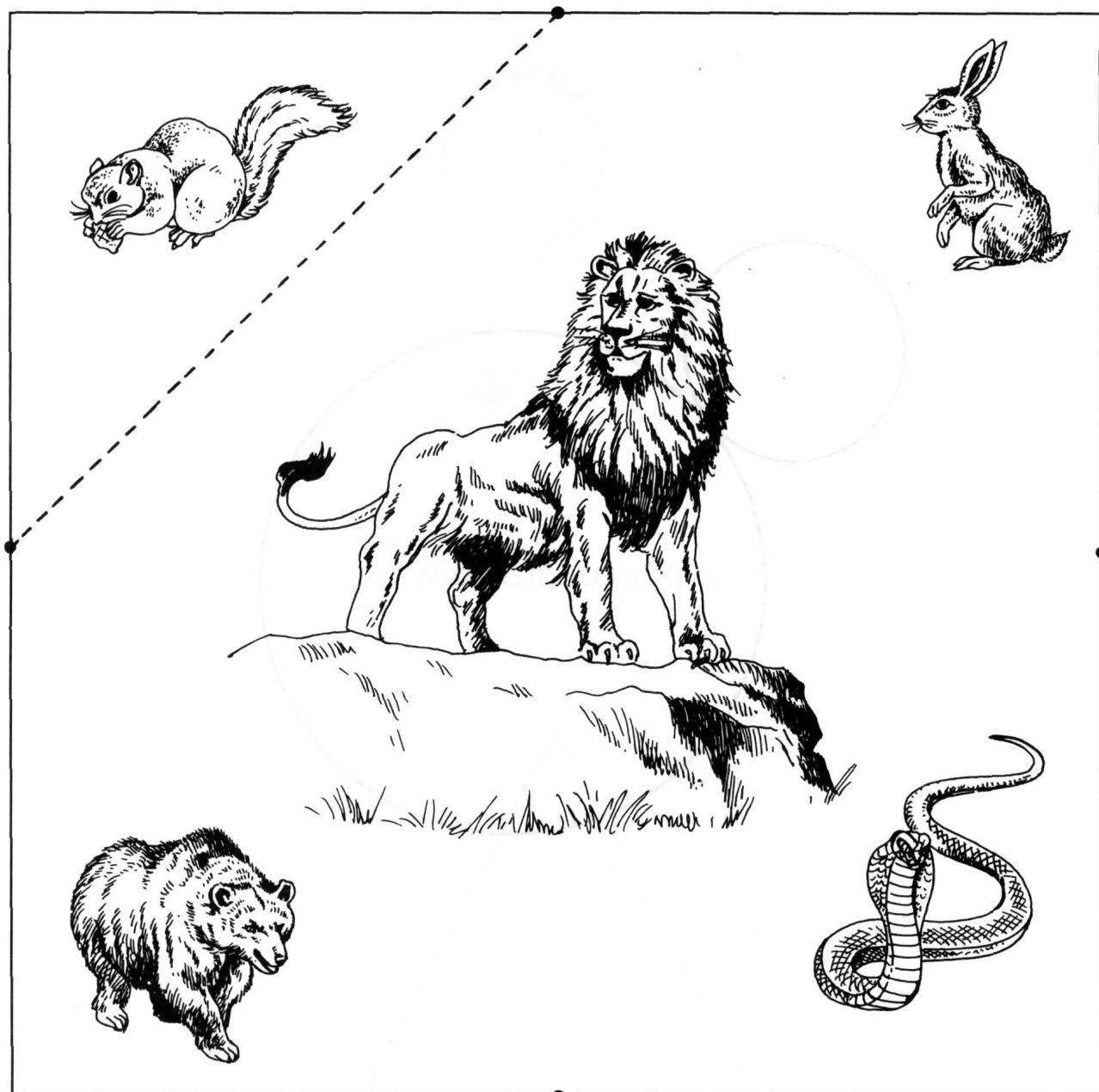
(a) Make a picture with this triangle.



(b) Make a picture with these circles.



2. Draw a square by joining the dots. You will separate the 5 animals.

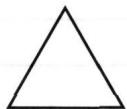


EXERCISE 53

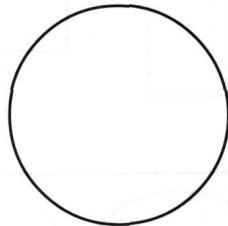
1. Draw a smaller rectangle.



2. Draw a bigger triangle.



3. Draw a smaller circle.



4. Draw a bigger square.

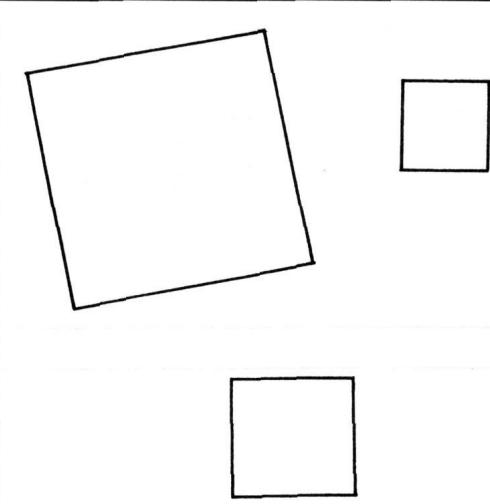


5. Color the smallest shape red.

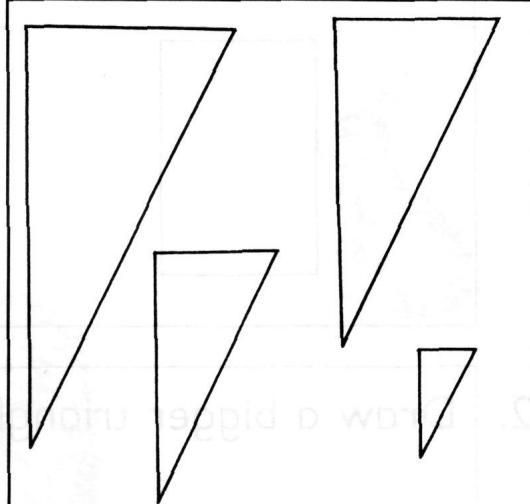
EXERCISE 23

Color the biggest shape blue.

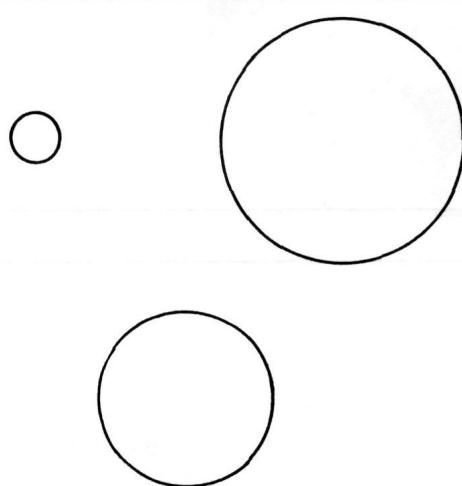
(a)



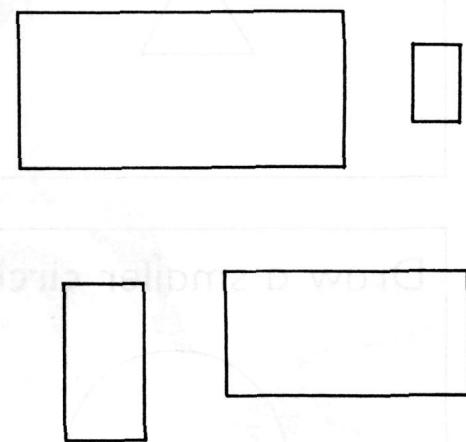
(b)



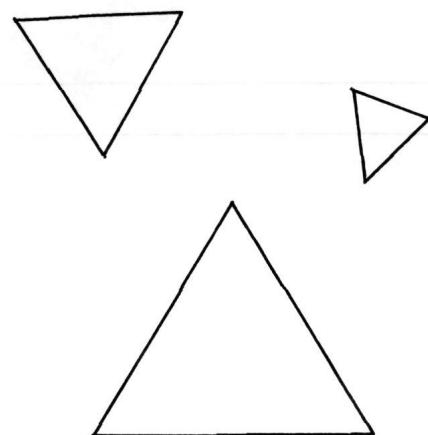
(c)



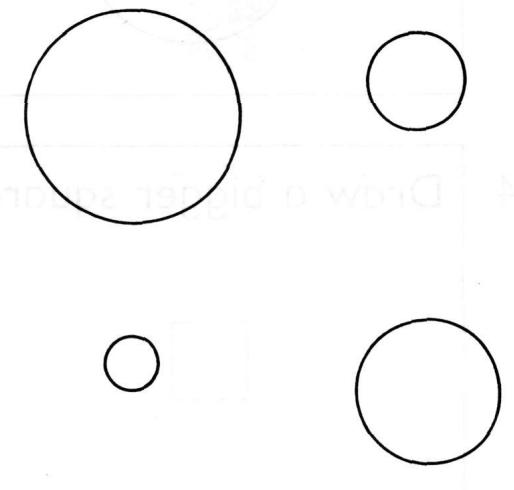
(d)



(e)



(f)

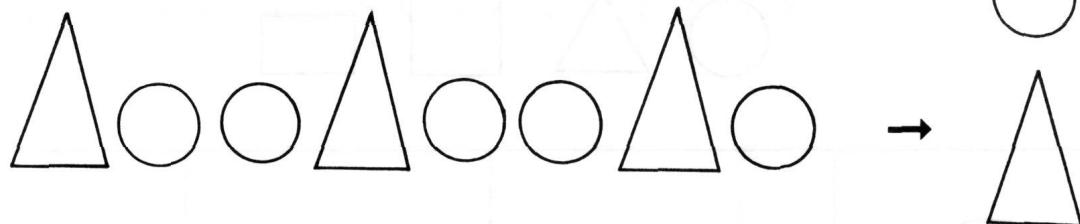


EXERCISE 54

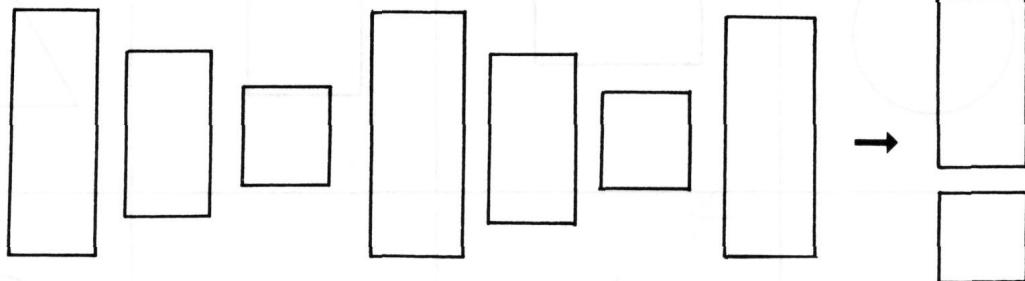
1. Study each pattern.

Then color the shape that comes next.

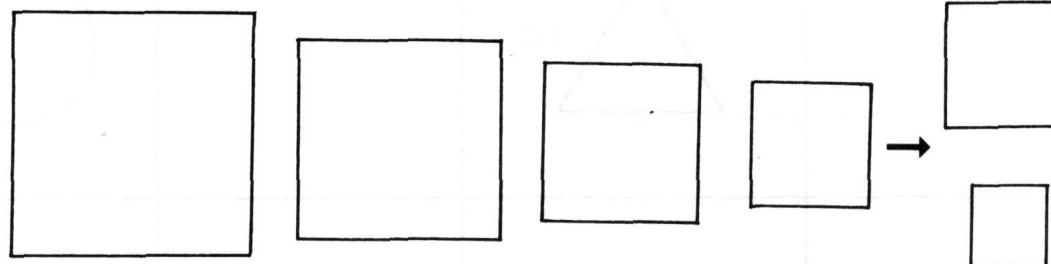
(a)



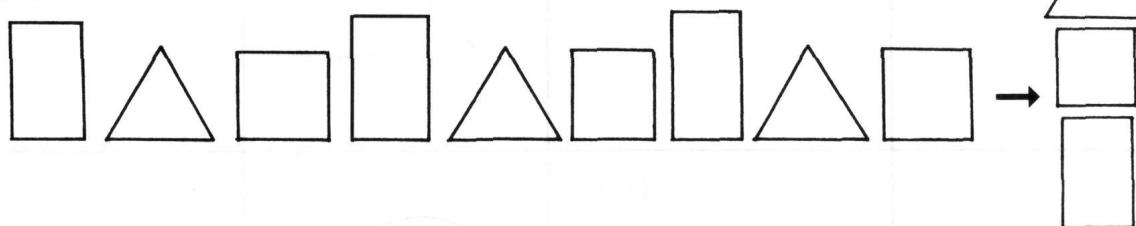
(b)



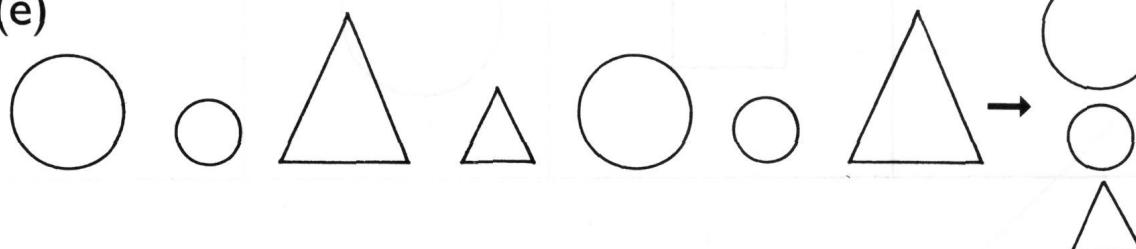
(c)



(d)



(e)



2. Draw and complete the pattern below.
Each row (\leftrightarrow) or column (\updownarrow) must have all these 4 shapes:



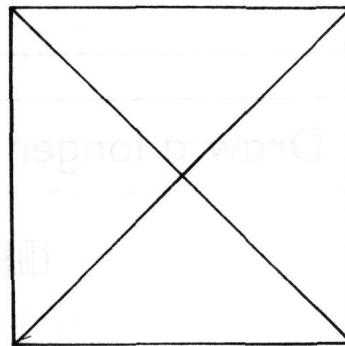
| | | | |
|---|---|---|---|
| ○ | △ | □ | □ |
| ○ | □ | □ | △ |
| | △ | | ○ |
| | | | |
| | □ | ○ | ○ |

EXERCISE 55

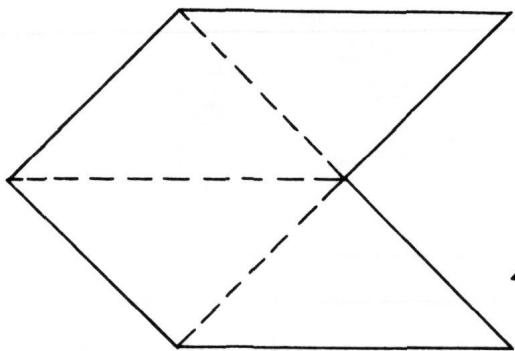
1. Trace this square on a piece of paper and cut it into 4 triangles.

Use the 4 triangles to form each of the shapes below.

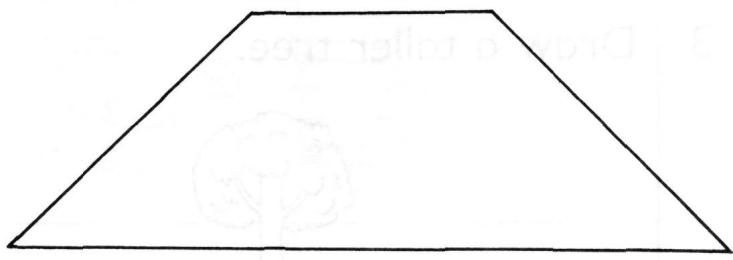
Draw dotted lines to show how it is done.



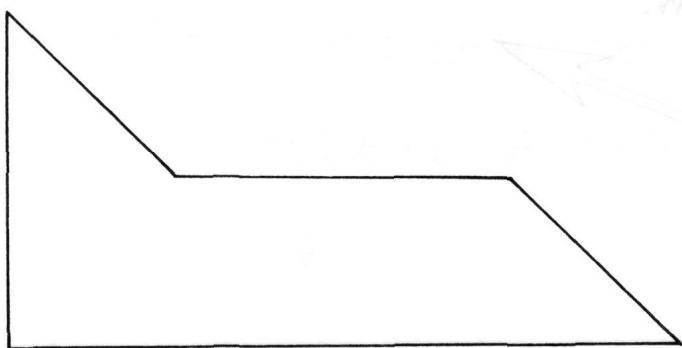
(a)



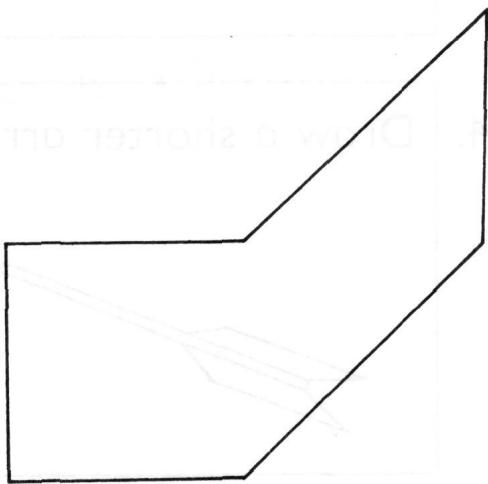
(b)



(c)

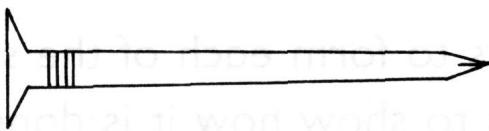


(d)

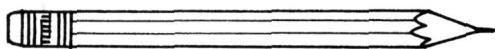


EXERCISE 56

1. Draw a shorter nail.



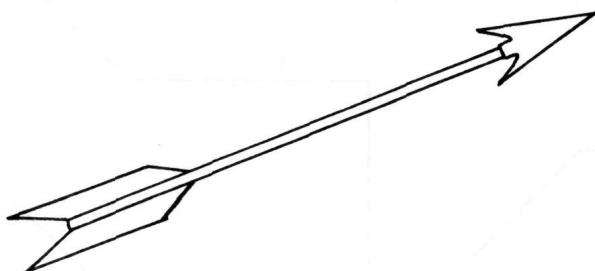
2. Draw a longer pencil.



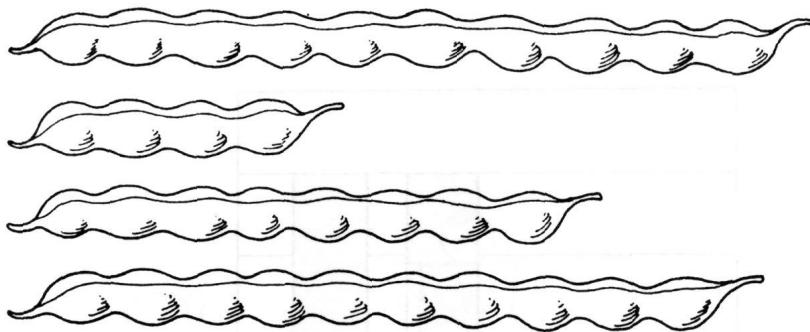
3. Draw a taller tree.



4. Draw a shorter arrow.



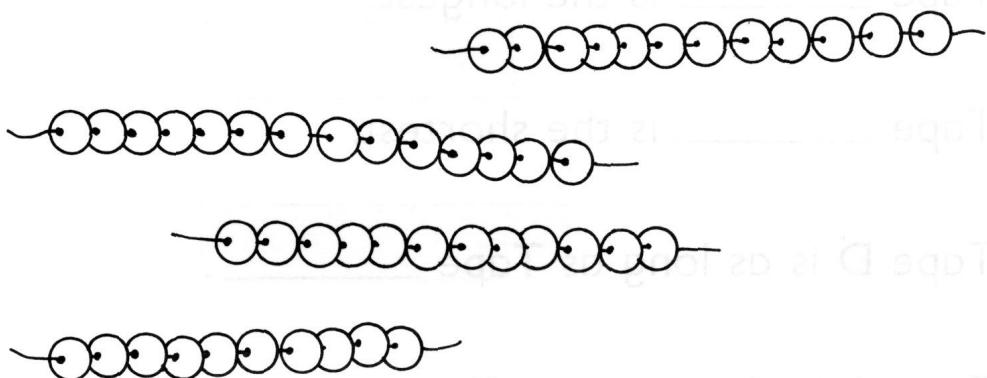
5. Color the longest bean.



6. Color the tallest animal.

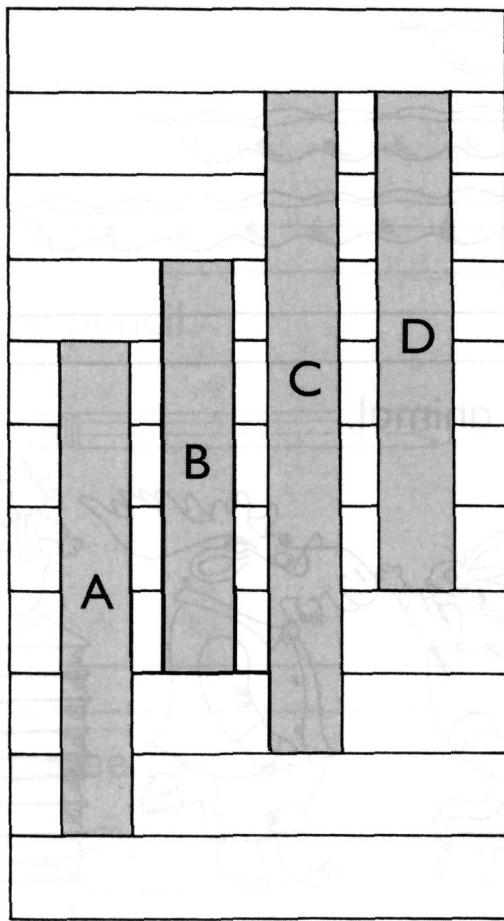


7. Color the shortest string of beads.



EXERCISE 57

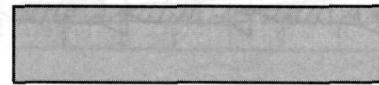
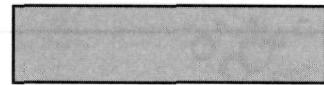
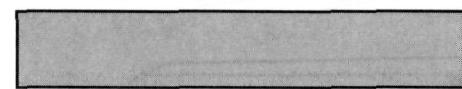
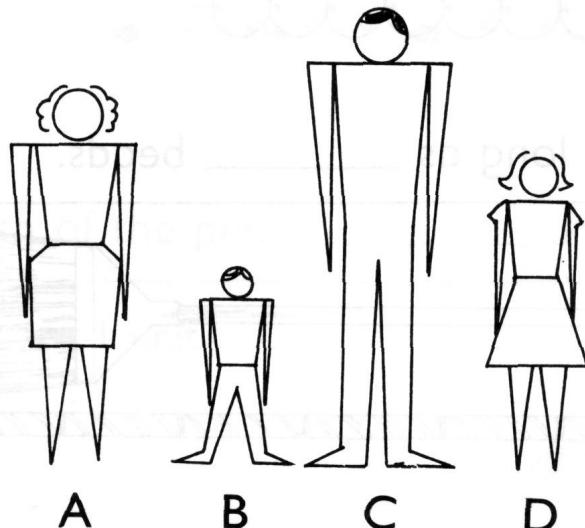
1. Fill in the blanks.



- (a) Tape _____ is the longest.
- (b) Tape _____ is the shortest.
- (c) Tape D is as long as Tape _____.
- (d) Tape A is shorter than Tape _____.

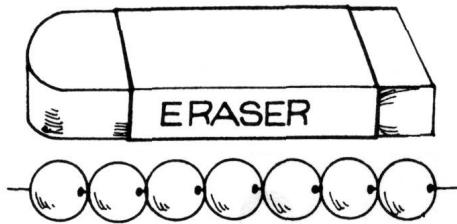
2. The paper tapes below measure the heights of the figures.

Write the letter of each figure on the correct paper tape.

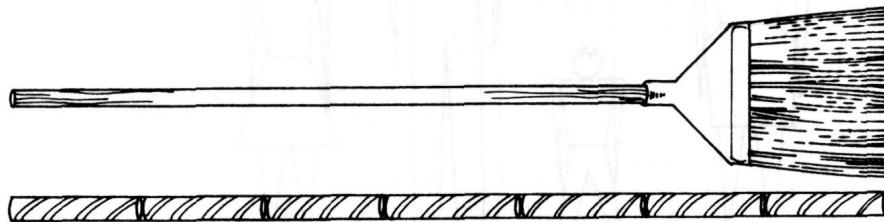


EXERCISE 58

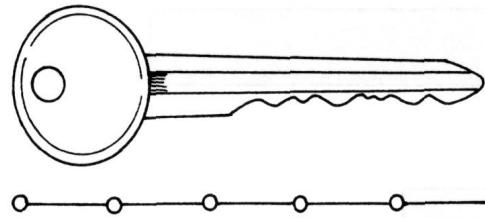
1. Fill in the blanks.



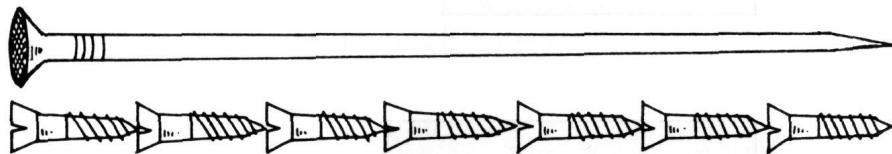
The eraser is as long as _____ beads.



The broom is as long as _____ straws.



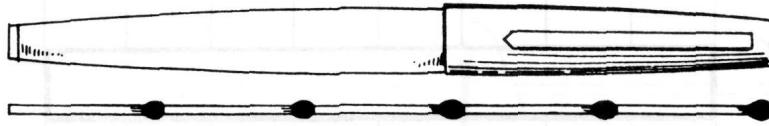
The key is as long as _____ pins.



The nail is as long as _____ screws.

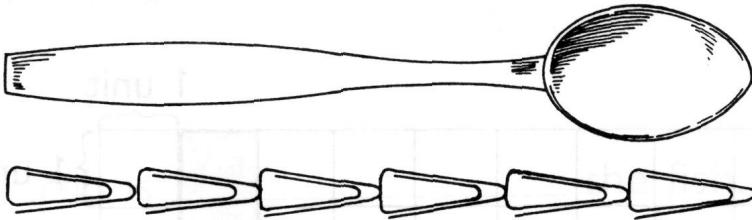
2. Fill in the blanks.

Use  as 1 unit.



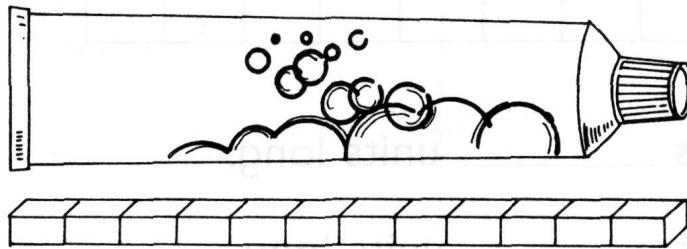
The length of the pen is _____ units.

Use  as 1 unit.



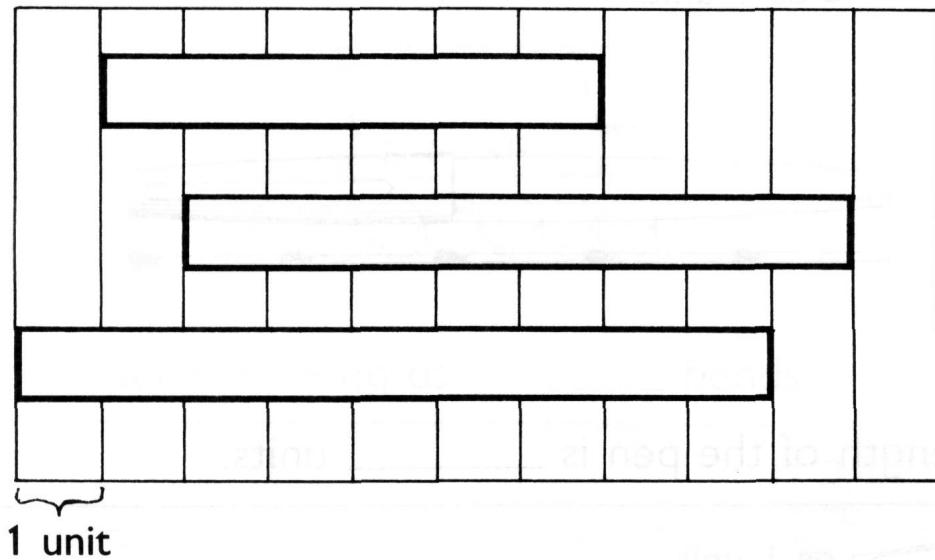
The length of the spoon is _____ units.

Use  as 1 unit.

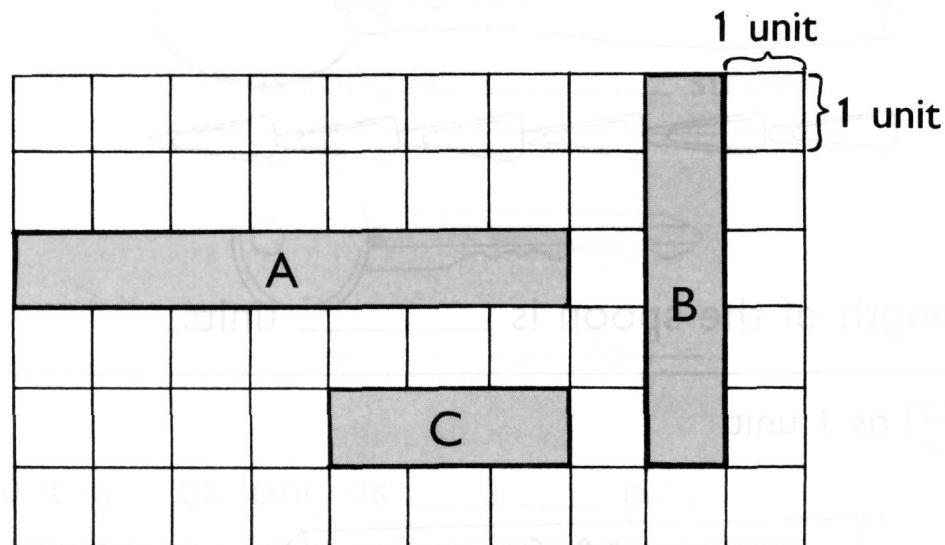


The length of the tube is _____ units.

3. Color the tape which is 8 units long.



4.



(a) Tape A is _____ units long.

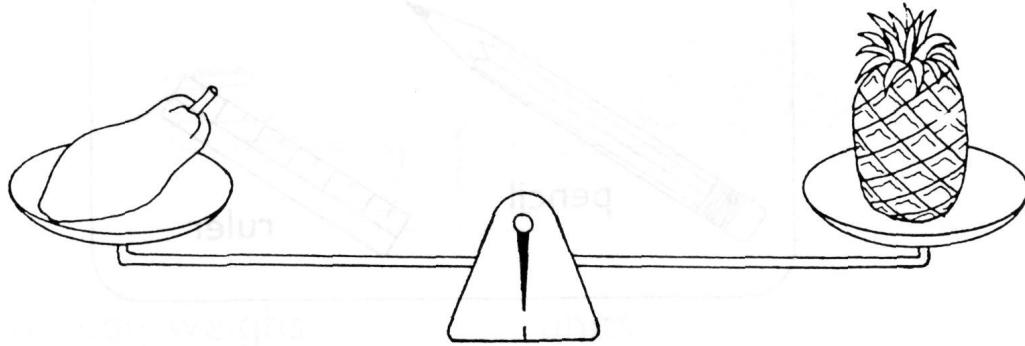
(b) Tape B is _____ units long.

(c) Tape C is _____ units long.

EXERCISE 59

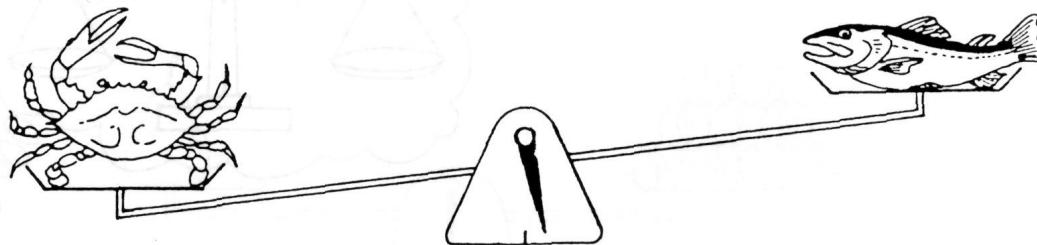
1. Write **heavier than**, **lighter than** or **as heavy as**.

(a)



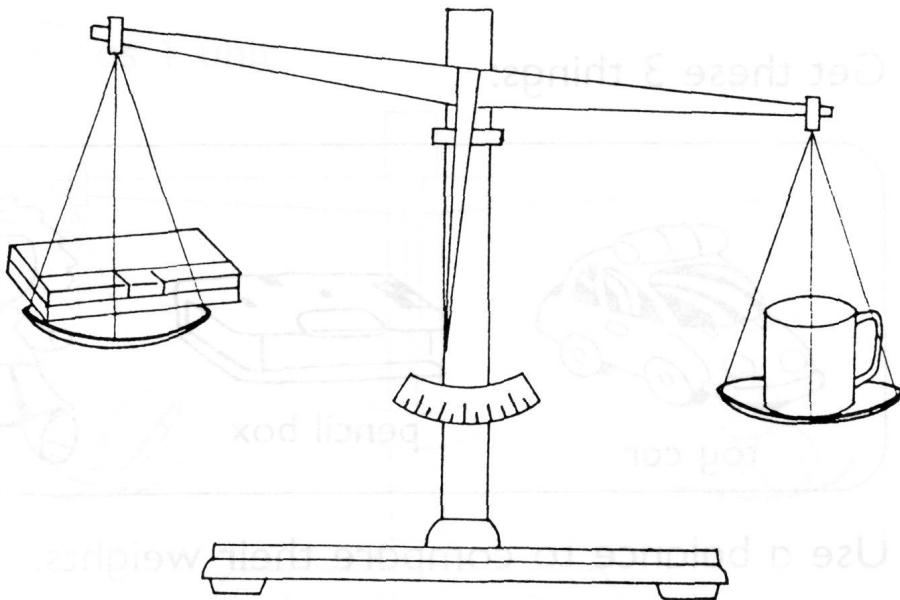
The papaya is _____ the pineapple.

(b)



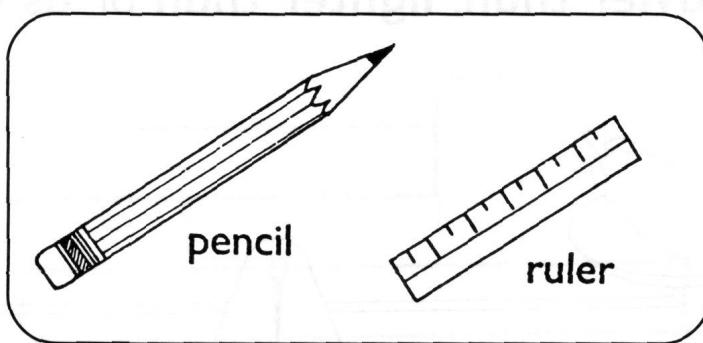
The crab is _____ the fish.

(c)



The pencil box is _____ the mug.

2. (a) Get these 2 things:



pencil

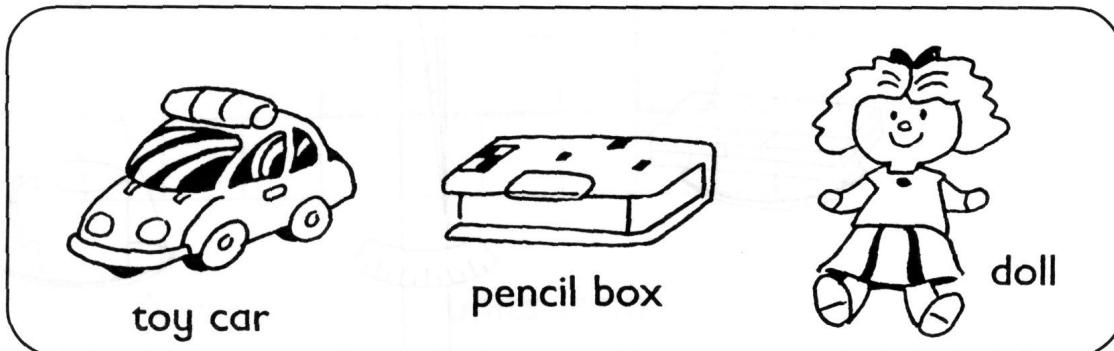
ruler



Use a balance to compare their weights.

The _____ is heavier than the _____.

(b) Get these 3 things:



toy car

pencil box

doll

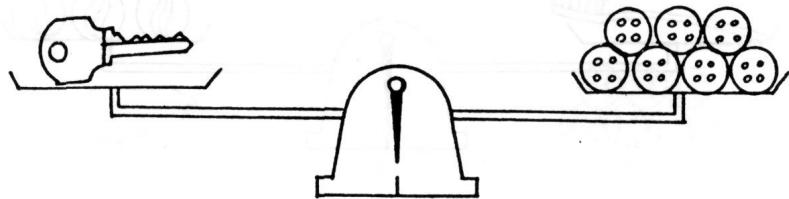
Use a balance to compare their weights.

The _____ is the heaviest.

The _____ is the lightest.

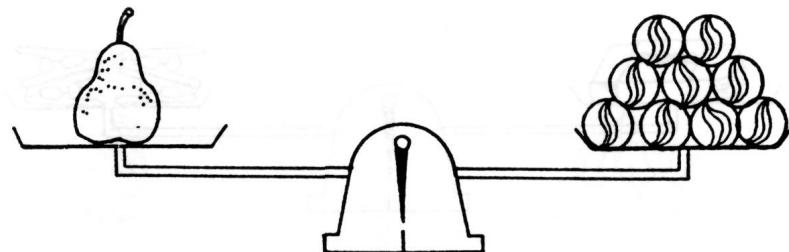
EXERCISE 60

1. (a) Use  as 1 unit.



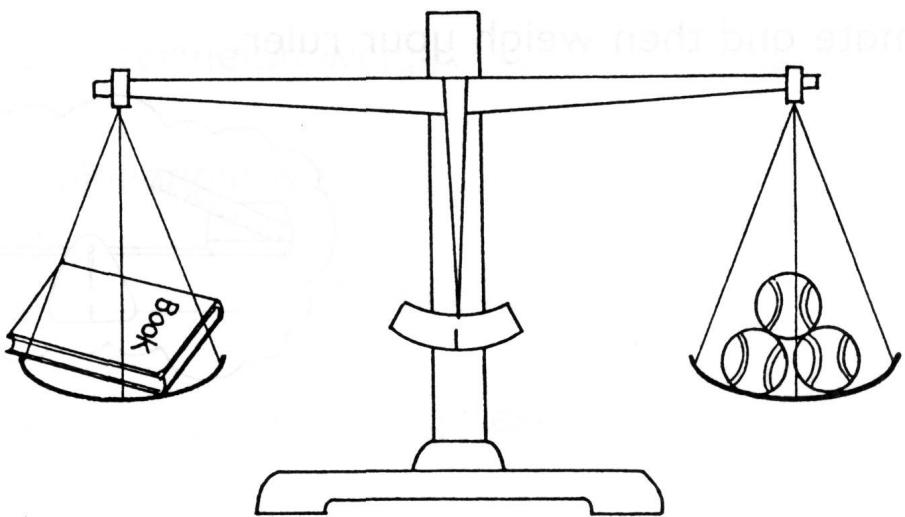
The key weighs _____ units.

- (b) Use  as 1 unit.



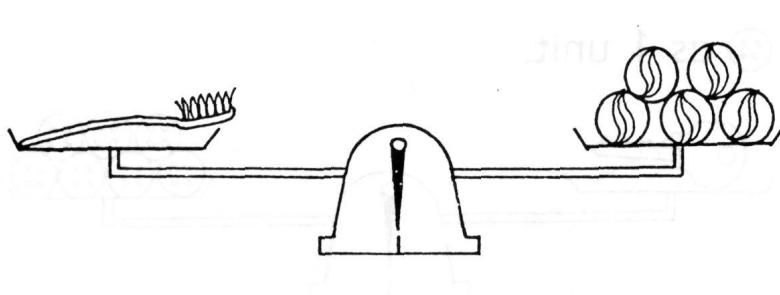
The pear weighs _____ units.

- (c) Use  as 1 unit.



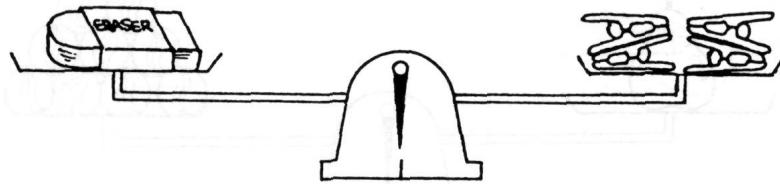
The book weighs _____ units.

2. (a) Use  as 1 unit.



The weight of the toothbrush is _____ units.

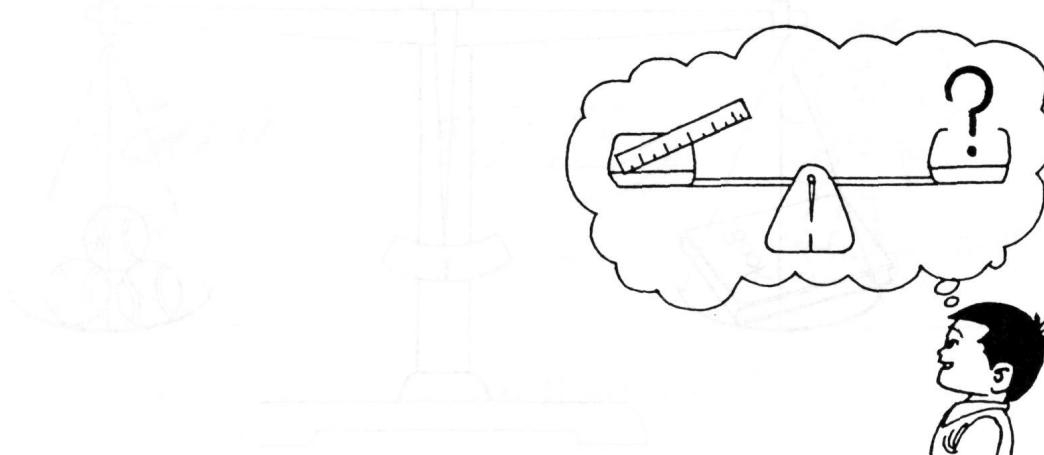
(b) Use  as 1 unit.



The weight of the eraser is _____ units.

3. Use  as 1 unit.

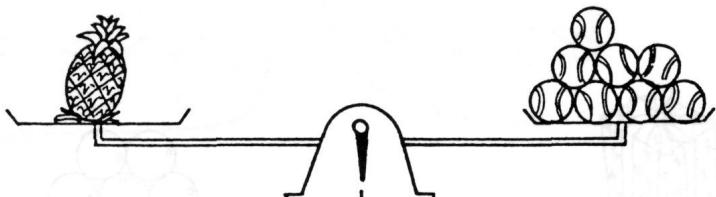
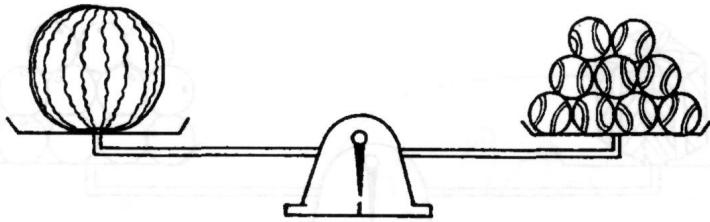
Estimate and then weigh your ruler.



My ruler weighs about _____ units.

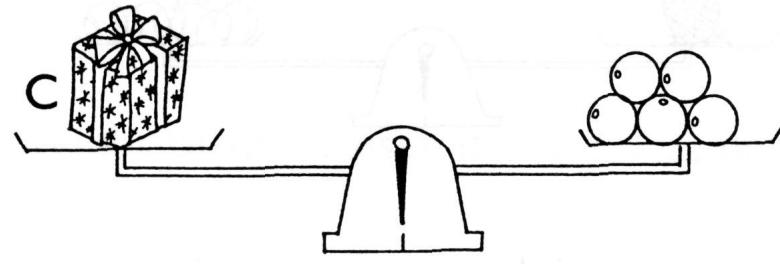
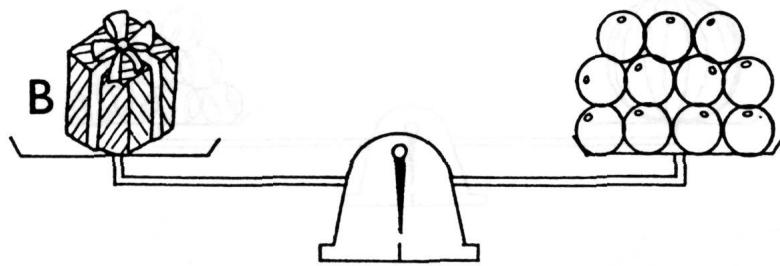
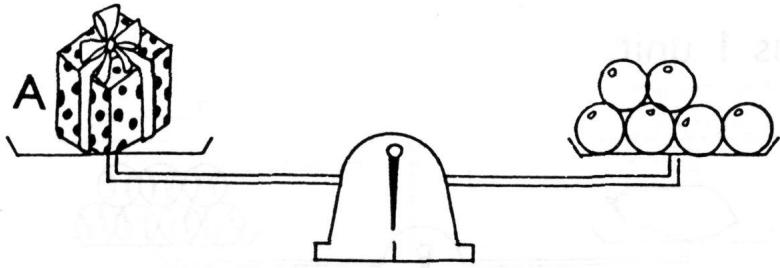
EXERCISE 61

1. Use  as 1 unit.



- (a) The papaya weighs _____ units.
- (b) The watermelon weighs _____ units.
- (c) The pineapple weighs _____ units.
- (d) The _____ is the heaviest.
- (e) The _____ is the lightest.
- (f) The pineapple is lighter than the _____.

2. Use  as 1 unit.



(a) Box A weighs _____ units.

(b) Box B weighs _____ units.

(c) Box C weighs _____ units.

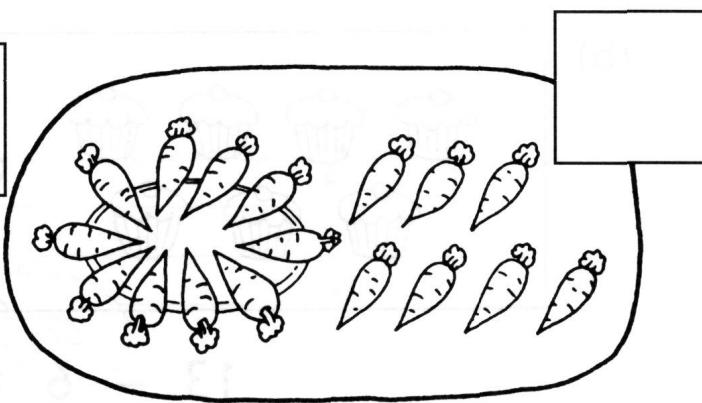
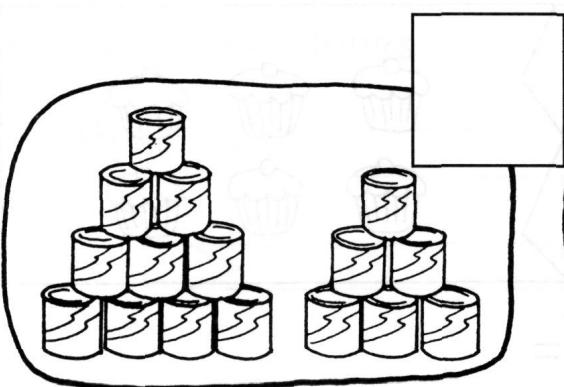
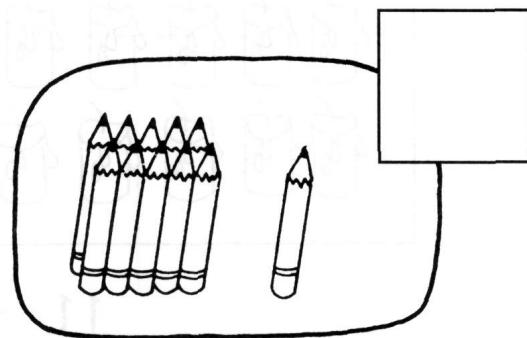
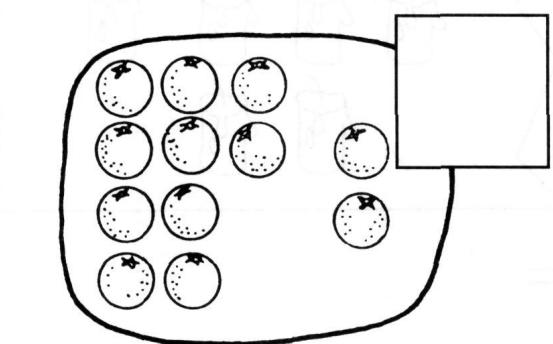
(d) Box A is heavier than Box _____ .

(e) Box _____ is the lightest.

(f) Box _____ is the heaviest.

REVIEW 6

1. Write the numbers.



2. Match the numbers and words.

thirteen

11

nineteen

eleven

19

twelve

twenty

14

fifteen

sixteen

15

fourteen

16

20

12

3. Add or subtract.

(a)



$$11 + 6 =$$

(b)



$$13 - 6 =$$

4. Add or subtract.

Then pair up the number sentences.

$$14 - 6 =$$

$$1 + 4 =$$

$$12 - 3 =$$

$$2 + 5 =$$

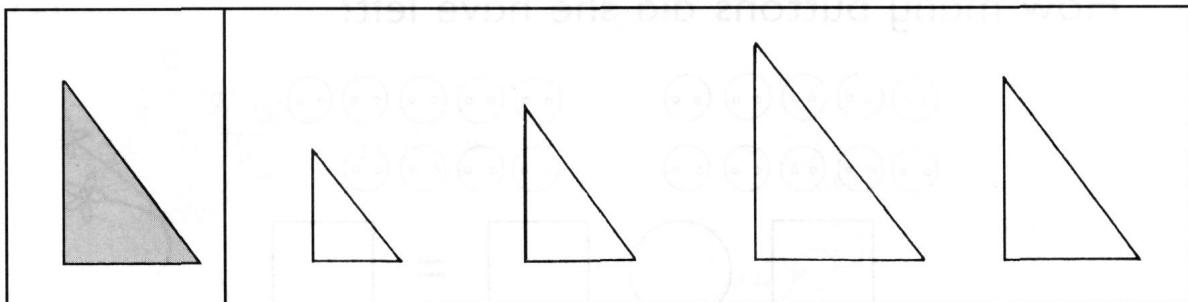
$$15 - 8 =$$

$$7 + 2 =$$

$$14 - 9 =$$

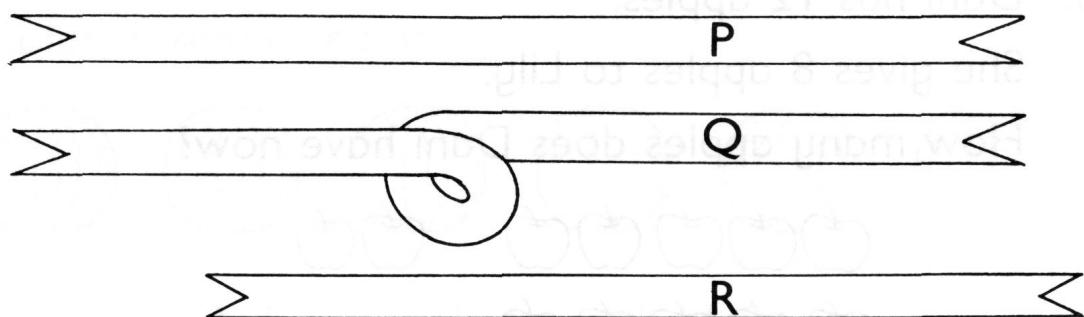
$$4 + 4 =$$

5. Color the triangle which has the same size as the shaded one.



6. Fill in the blanks.

(a)



_____ is the shortest ribbon.

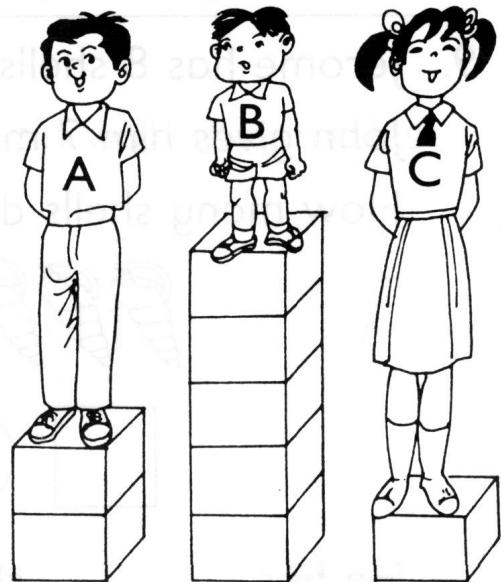
_____ is the longest ribbon.

(b)

_____ is the tallest child.

_____ is the shortest child.

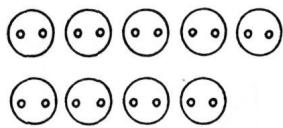
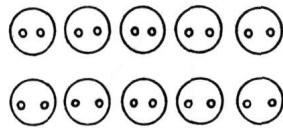
_____ is taller than A.



7. Mary had 19 buttons.

She used 5 of them for a dress.

How many buttons did she have left?



$$\square \quad \square = \square$$

She had _____ buttons left.

8. Dani has 12 apples.

She gives 8 apples to Lily.

How many apples does Dani have now?



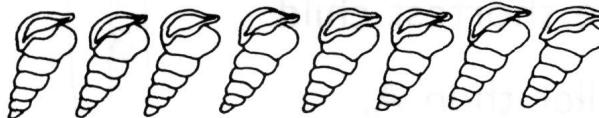
$$\square \quad \square = \square$$

She has _____ apples now.

9. Jerome has 8 shells.

John gives him 7 more.

How many shells does Jerome have now?



$$\square \quad \square = \square$$

He has _____ shells now.

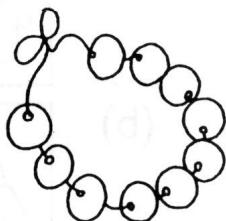
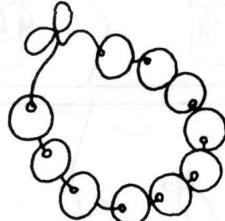
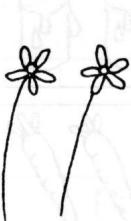
REVIEW 7

1. Count and write the numbers in words.

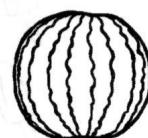
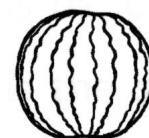
(a)



(b)



2. (a) Color 3 watermelons.



- (b) Color the 3rd pineapple from the left.



3. Arrange the numbers in order. Begin with the smallest.

6

14

3

11

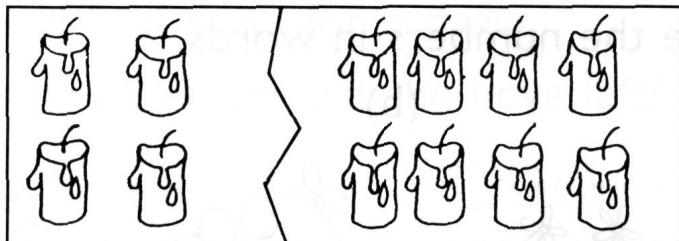
7

smallest

greatest

4. Write the missing numbers.

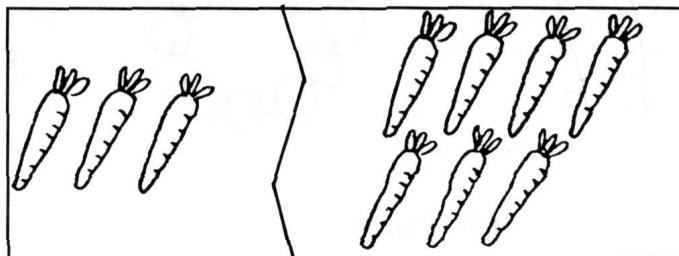
(a)



4

8

(b)



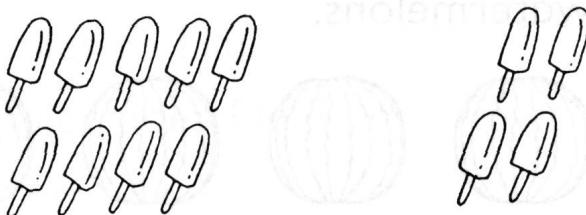
7

10

3

5. Add or subtract.

(a)



$$9 + 4 =$$

(b)



$$12 - 7 =$$

6. Add or subtract.

(a) $3 + 6 =$

(b) $8 - 7 =$

(c) $5 + 5 =$

(d) $10 - 2 =$

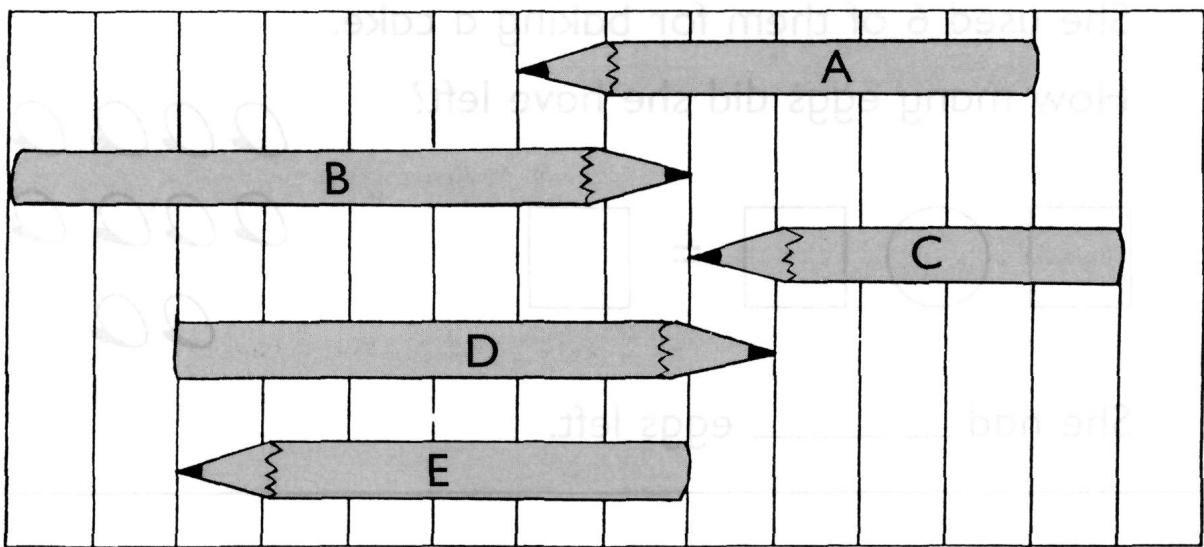
(e) $12 + 4 =$

(f) $16 - 3 =$

(g) $6 + 8 =$

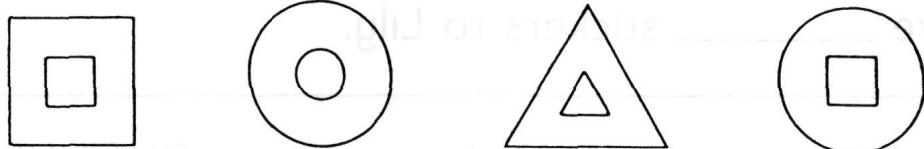
(h) $17 - 8 =$

7. Fill in the blanks.

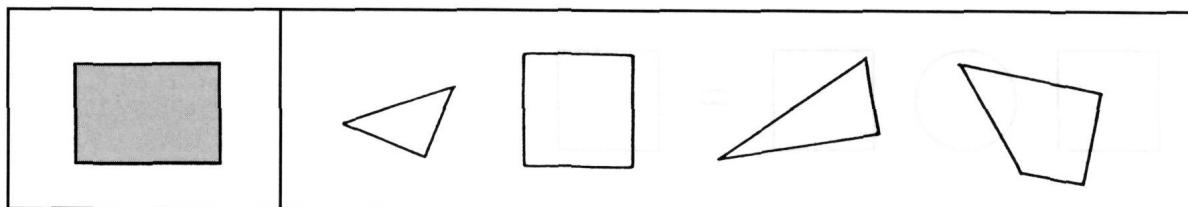


- (a) Pencil _____ is as long as pencil _____.
- (b) Pencil _____ is the shortest.
- (c) Pencil _____ is the longest.

8. Cross out the one which does not belong.



9. Color the 2 pieces that make up the given shape.

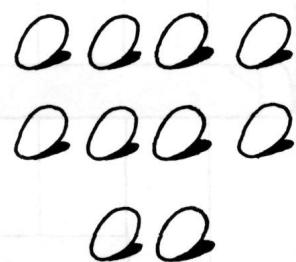


10. Mary had 10 eggs.

She used 6 of them for baking a cake.

How many eggs did she have left?

$$\square \bigcirc \square = \square$$



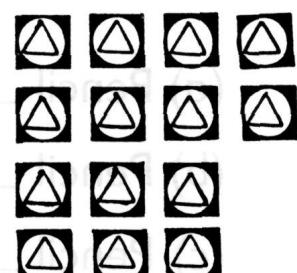
She had _____ eggs left.

11. Ashley had 14 stickers.

She gave some of them to Lily.

She had 7 stickers left.

How many stickers did she give to Lily?



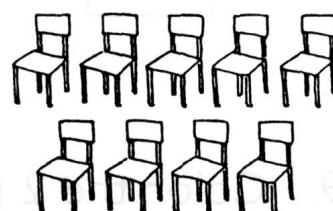
$$\square \bigcirc \square = \square$$

She gave _____ stickers to Lily.

12. Emily needs 16 chairs for a party.

She has 9 chairs now.

How many more chairs does she need?



$$\square \bigcirc \square = \square$$

She needs _____ more chairs.