P.1 MTC NOTES

THEME: OUR HOME

TOPIC COUNTING AND WRITING NUMBERS

NUMBERS

1. Numbers 1-20
2. Filing in the missing numbers.
3. Writing a number before and after
4. Matching same numbers.
5. Counting and writing
6. Drawing for the numbers.
7. Matching numbers to pictures
8. Identifying bigger and smaller numbers.
9. Arranging numbers from the smallest to the biggest.
10. Arranging numbers from biggest to the smallest
11. Writing numbers in words.
12. Writing number words inn figures.
13. Writing numbers 21-50
14. Filling in the missing numbers.
15. Writing a number before and after.
16. Matching same numbers.
17. Comparing numbers using greater than and less than
18. Arranging numbers from the smallest to the biggest
19. Arranging numbers from the biggest to the smallest.
20. Writing number 0-50 in words.
21. Writing number word in figures.

THEME: OUR HOME

TOPIC: COUNTING AND WRITING NUMBERS

NUMBERS

Numbers 1-20

1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20

Activity

Write numbers 1-20

Filling in the missing numbers

Examples

1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20

Activity

Fill in the missing numbers

1. 5____, _____, 8, _____, _____
2. 13, 14, ____, 16, ____, _____, 19, _____
3. 6, 7, _____, 9, _____
4. 11, _____, 13, _____, _____16, _____
5. 1, 2, _____, _____5, _____, _____, 8

Writing a number before

Examples

7, 8 4, 5 1, 2 12, 13

Activity

Write the number before

____, 4 ____, 17 _____, 10 ____, 9 ____, 12 ___, 11 ____, 20

____, 19 ____, 3

Writing a number after

Examples

1, 2 9, 10 7, 8 13, 14 14, 15 4, 5 19, 20 6, 7

Activity

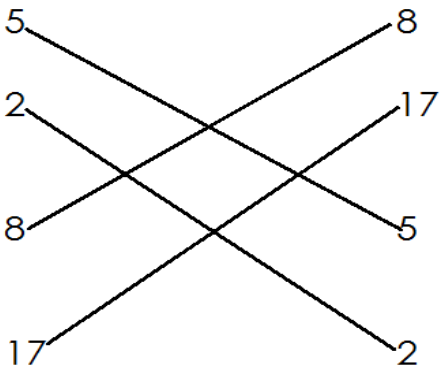
Write the number after

8, _____ 5, _____ 10, _____ 18, _____ 13, _____

17, _____ 3, _____ 4, _____ 1, _____

Matching same numbers

Example



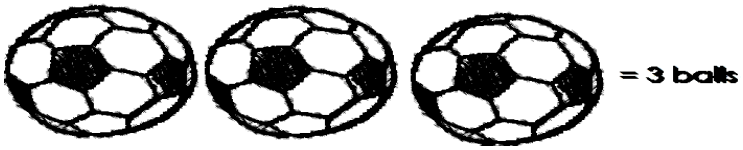
Activity

Match the same numbers.

10	7
16	2
3	10
7	16
2	3

Counting and witting

Example

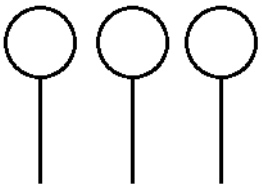


Activity

Count and write the number

1.  =_____trees

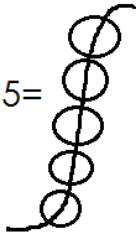
2.  =_____ apples

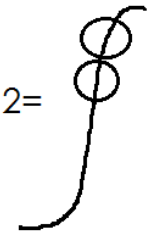
3.  =____ sweets

4.  = _____ chairs

Drawing for the number

Examples

5= 

2= 

6 cups= 

2 balls= 

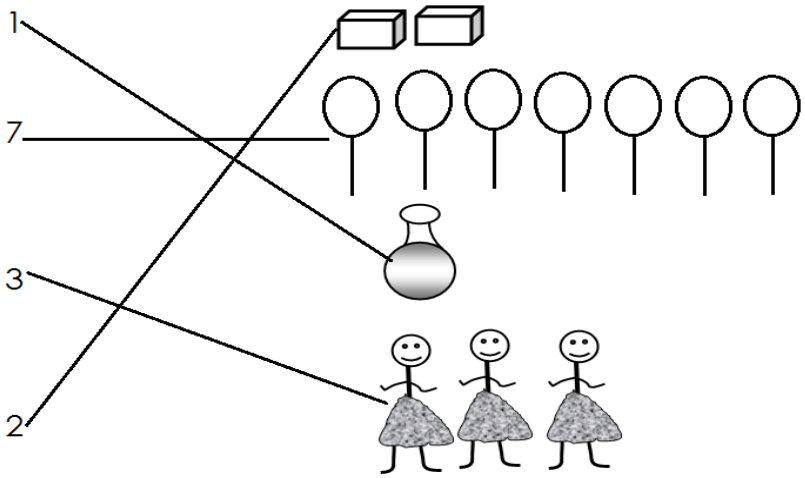
Activity

3 pots=_____ 7 apples=_____

5 books=_____ 8 girls=_____

Matching numbers to pictures

Examples



Activity

Match numbers to pictures

5

4

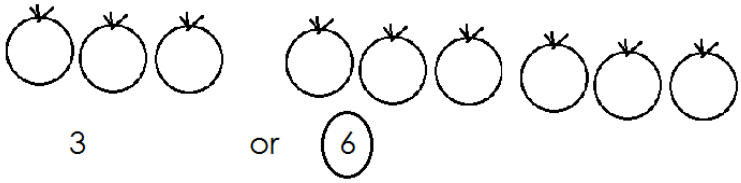
6

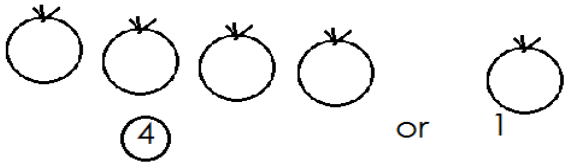
2

Identifying bigger numbers

Examples

Circle the bigger number





9 or 19

20 or 13

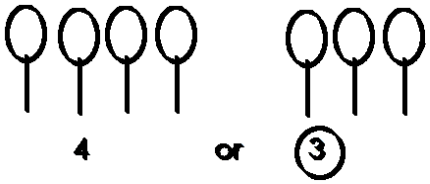
Activity

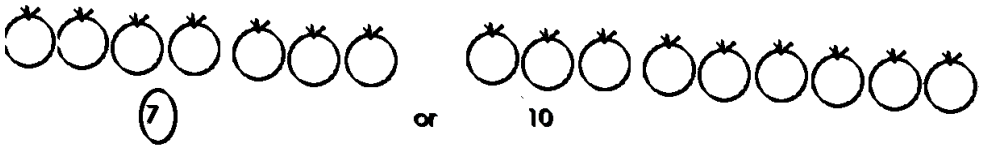
Circle the bigger number

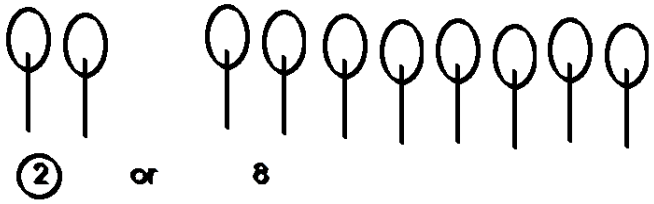
1. ooo or ooooooo
2. 111111 or 1111
3. 7 or 9
4. 15 or 10
5. 8 or 20
6. 16 or 3

Identifying smaller numbers

Examples



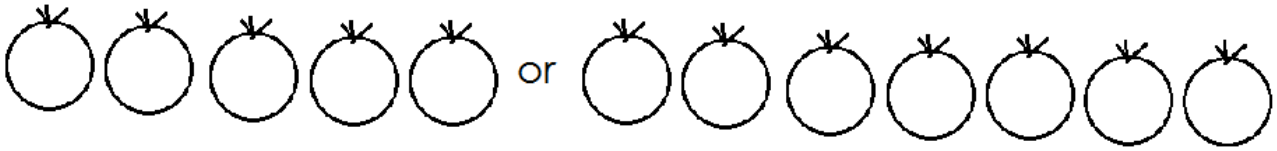




Activity

Circle the smaller number

1. 

2. 

3. 14 or 9
4. 5 or 16
5. 18 or 7

Arranging numbers from the smallest to the biggest

Examples

1. 4, 7, 1, 6, 3

   1, 3, 4, 6, 7

2. 10, 8, 11, 9, 12

   8, 9, 10, 11, 12

3. 5, 2, 4, 1, 3

   1, 2, 3, 4, 5

Arrange numbers starting with the smallest.

1. 9, 8, 7, 6, 10

   _____

2. 14, 13, 11, 12

   _____

4. 6, 8, 7, 10, 9

   _____

5. 6, 5, 1, 3, 2, 4

   _____

Arranging numbers from the biggest

Examples

1. ~~1~~ 3 ~~4~~ ~~5~~ ~~2~~

   5 4 3 2 1

2. 15, 12, 13, 14, 11, 16

   16, 15, 14, 13, 12, 11

Activity

1. 8, 7, 6, 9, 5

   _____

2. 19, 16, 15, 20, 17, 18

_____

3. 6, 5, 1, 4, 2, 3

_____

4. 14, 13, 15, 11, 12

_____

Writing numbers 0-20 in words.

0	zero
1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten
11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty

Activity

Write the numbers in words

1-_____ 3-_____ 4-_____ 5-_____ 10-___

7-_____ 8-_____ 2-_____16-_____ 6-_____

(a) Six, _____ (b) _____, four (c) eight-_____ (d) _____, eleven

(e) twenty one, _____ (f) _____, thirty two (g) _____, forty one

Writing the words in figures.

Zero 0 six-6 one-1 seven-7 two-2 five-5 three-3

Eleven-11 four-4 twelve-12 ten-10 thirteen-13 nine-9

Fifteen-14

Activity

1. **Write in figures**

Six=_____ zero-_____ two=_____ three=_____

Seventeen=_____ four=_____ thirteen=_____ one=_____

2. **Writing word after and before**

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

Activity

Write numbers 21-50

Filling in the missing numbers

1. 21, 22, 23, 24, 25, 26, 27, 28
2. 31, 32, 33, 34, 35, 36
3. 40, 41, 42, 43, 44, 45

Activity

1. 15, _____17, _____19, 20, _____
2. 32, ____, 34, _____, 37, 38, _____
3. 19, 20, _____, _____, 23, _____, _____26
4. 9, ____, ____, 12, 13, ____, 15
5. _____, _____, _____, 44,45,46,47
6. 27, 28, 29, ___, ____, 32, _____, 34, _____
7. 1, ____, 3____, 5, ____6, 7, _____, _____

Writing a number before

Examples

Which number comes before?

10, 11 15, 16 16, 17 38, 39 33, 34 21, 22 39, 40
5, 6

Activity

1. ___, 3 _____, 33 ____, 9 ____, 49 _____, 50 _____, 22

_____, 27 _____, 42 _____, 17

2. _____comes before 15.
3. Which number comes before 27?

Writing numbers after?

Examples

Which number comes after?

6, 7 19, 20 18, 19 20, 21 45, 46 7, 8

Which number comes after?

15, 16 11, 12 29, 30 33, 34 18, 19 8, 9 46, 47 24, 25
2, 3

2. _____comes after 5.
3. Which number comes after 7?

Identifying bigger and smaller numbers

Examples

Circle the bigger number

38 or 41 15 or 29 20 0r 10 11 or 4

35 is_____than 48

Activity

1. Circle the bigger number

19 or35 22 or 17 23 or 17 49 or 24

2. Circle the smaller number

7 or 25 19 or 41 29 or 15 14 or 51

Comparing numbers using greater than or less than

Examples

6 is greater than 4

17 is less than 20

5 is less than 9

Activity

Compare the numbers using **greater than** or **less than**

1. 17 is_____24
2. 6 is_____19

3. 39 is_____29

4. 15 is_____50

Arranging numbers from the small to big and from big to small.

Examples

Arrange the numbers from small to big.

1. 17, 20, 18, 19, 16
   16, 17, 18, 19, 20

2. 35, 33, 31, 34, 32
   31, 32, 33, 34, 35

Arrange numbers starting with the biggest to the smallest

1. 5, 8, 7, 10, 6, 9
   10, 9, 8, 7, 6, 5

2. 44, 43, 49, 45, 42
   49, 45, 44, 43, 42

Activity

1. Arrange numbers from small a to big

(a) 16, 10, 15, 14, 11, 12, 13

_____

(b) 34, 32, 36, 35, 33

_____

2. Arrange numbers from big to small

19, 18, 20, 17, 16

_____

45, 49, 48, 44

_____

Number names

Writing numbers in words

20-twenty 30-thirty 70-seventy 21-twenty one 40-forty 80-eigthy

23-twenty three 50-fifty 90-ninety 24-twenty four 60-sixty 100-one hundred

Activity

1. Write the following numbers in words

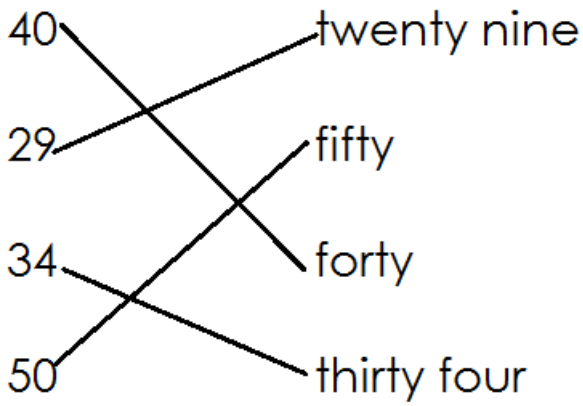
24-_____ 50-_____ 30_____ 40-_____ 43-_____

36-_____

2. Write the number/figures

Sixteen-_____ twenty one-_____ thirty=_____ forty=_____

Matching numbers to word



Activity

Match words to their number symbols

Twenty	9
Thirty two	17
Seventeen	20
Nine	50
Forty nine	32
Fifty	49

THEME: OUR SCHOOL

TOPIC: SETS

Definition

Grouping objects

Naming sets

Drawing sets

Matching sets

Comparing sets

Forming small sets from a big set.

Forming a big set from small sets.

Empty set

Joining sets

THEME: OUR SCHOOL

Topic sets

1. A set is a group of things / objects
2. A set is a collection of things.
3. Things found in a set are called members or elements.

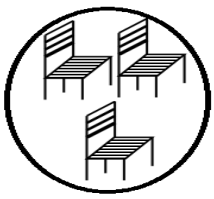
Naming groups

A group of cups

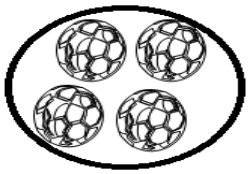
a group of books

Activity

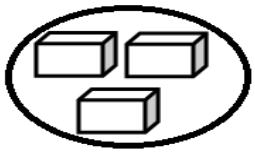
A group of_____.



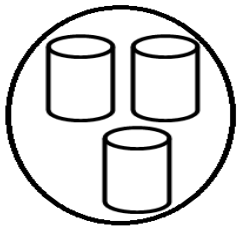
A group of _____.



A group of_____.



A _____of boxes.

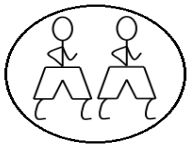


A_____of tins.

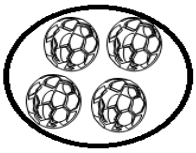
Naming sets

A group is a set.

Examples



A set of boys.



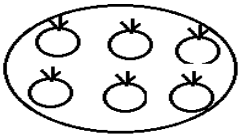
A set of bal

Activity

Name the sets

1. 

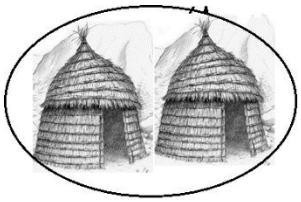
A set of_____

2. 

A set of_____.

3. 

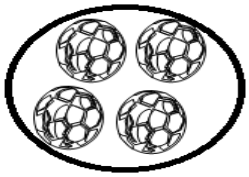
A set of_____.

4.  a set of _____.

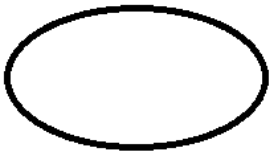
Counting members in a set

Examples

A set of 2 birds.

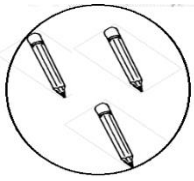


A set of 4 balls.

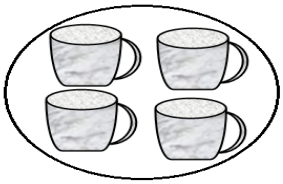


A set of 0 balls.

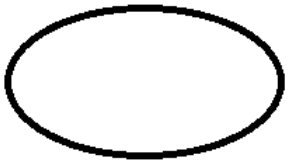
Count and write the number of members



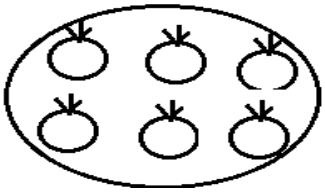
A set of_____pencils



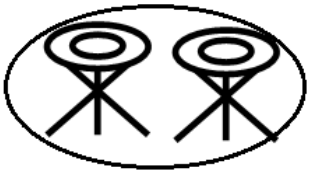
A set of_____cups.



A set of_____books.



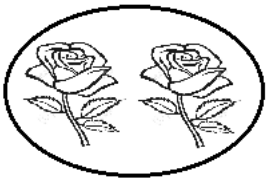
A set of _____apples.



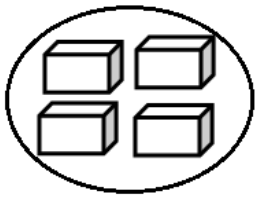
A set of_____stools.

Counting and naming members in a set.

Examples



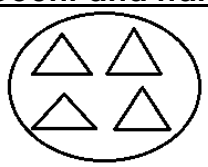
A set of 2 flowers.

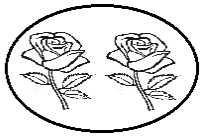


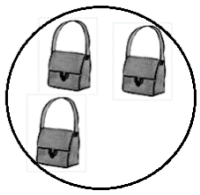
A set of 4 boxes.

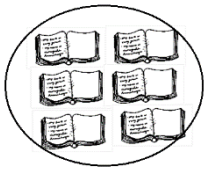
Activity

Count and name members in a set.

1.  A set of_____ _____

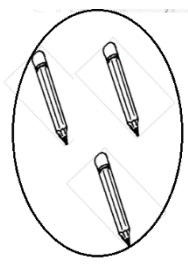
2.  A set of _____ _____

3.  A set of _____ _____

4.  A set of _____ _____

5.  a set of_____ _____

1. A set of 3 pencils.



A set of 3 pencils.

2.  A set of 2 chairs

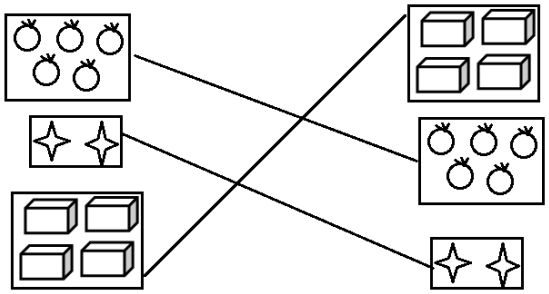
Activity

<u>Draw the following sets</u>

1. A set of 4 books
2. A set of 9 sticks
3. A set of 5 girls.
4. A set of 2 bags.

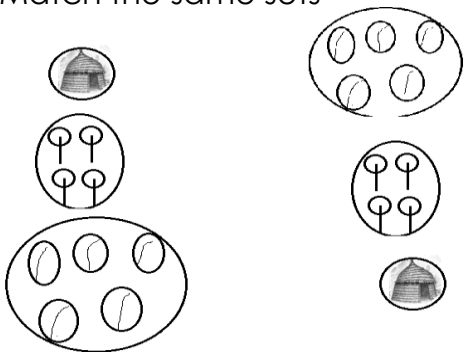
Matching same sets

Example



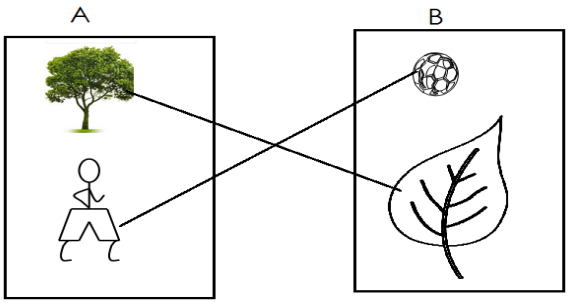
Activity

Match the same sets



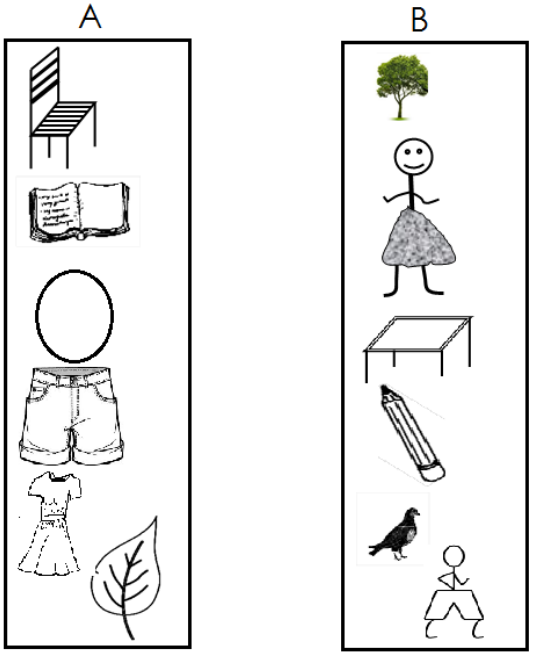
<u>Matching sets</u>

Examples



Activity

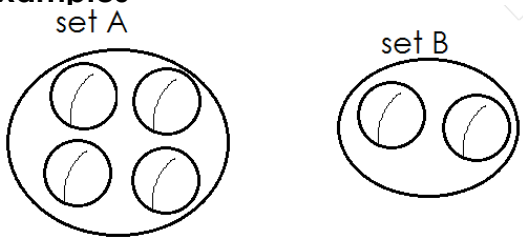
Match these sets



COMPARING SETS

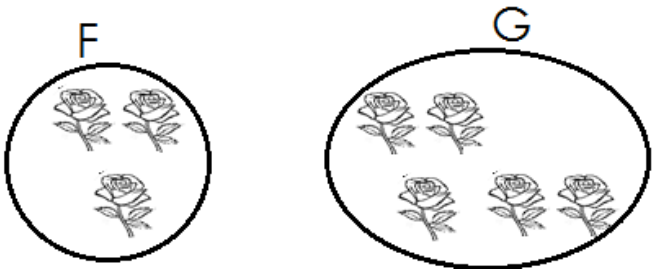
Compare the sets using less than or more Than

Examples



Set A has 4 balls. Set B has 2 balls.

Set A has **more** balls than set B.



Set F has 3 flowers

Set G has 5 flowers.

Set F has les flowers than set G.

Activity

Compare the following sets using less or more.

Set K has_____ cups

Set L has_____ cup.

Set K has _____cups than set L.

2.

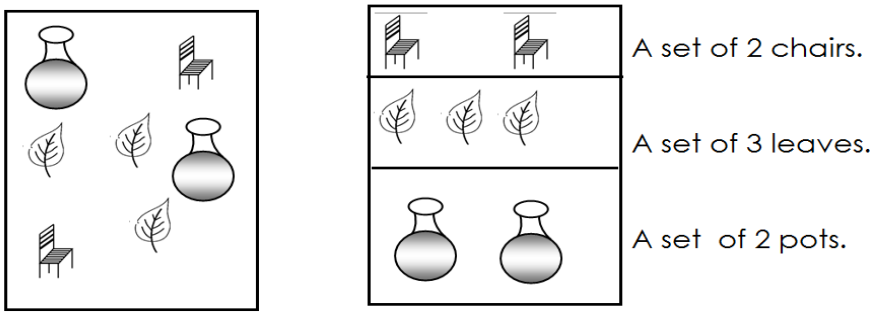
Set M has _____pencils.

Set N has_____ pencils.

Set M has_____ pencils than set N.

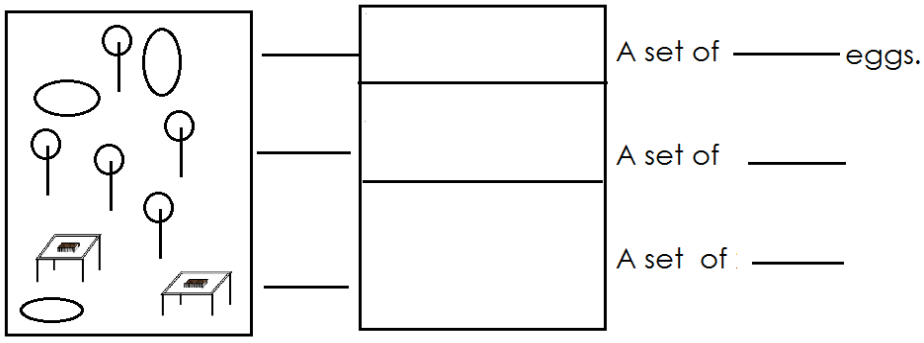
<u>Forming small sets from a big sets.</u>

Examples

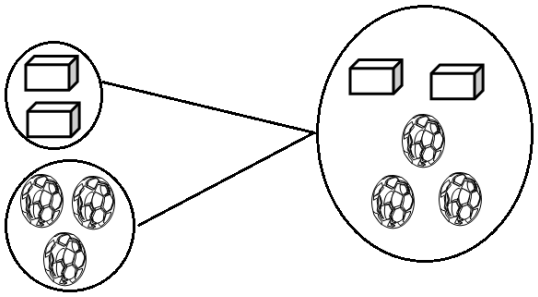


Activity

Form small sets from a big set

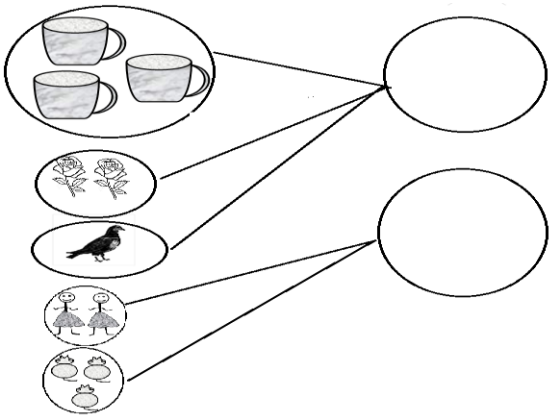


Forming a big set from small sets



Activity

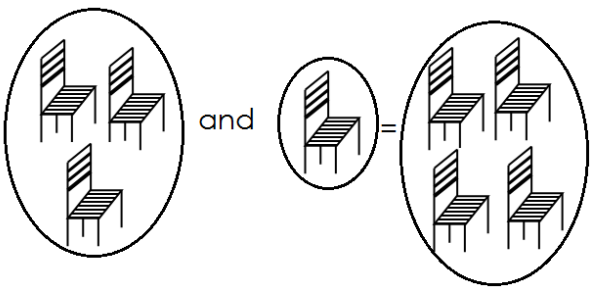
Form big sets from small sets.

1. 

<u>Joining sets</u>

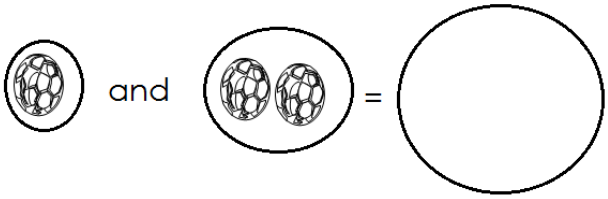
Examples

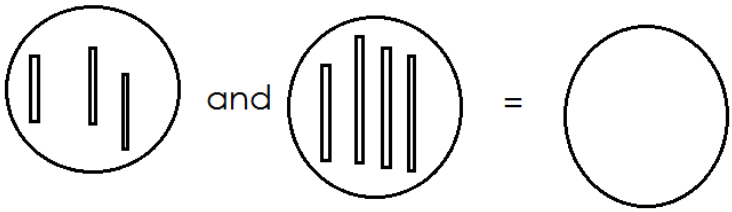
1. 

2. 

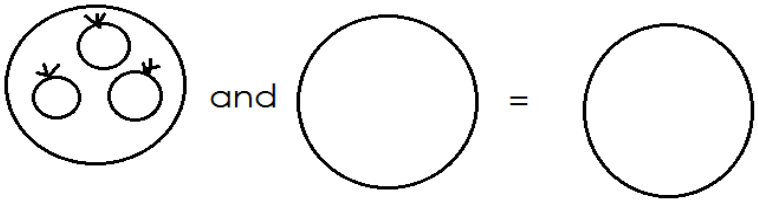
Activity

Join the following sets

1. 

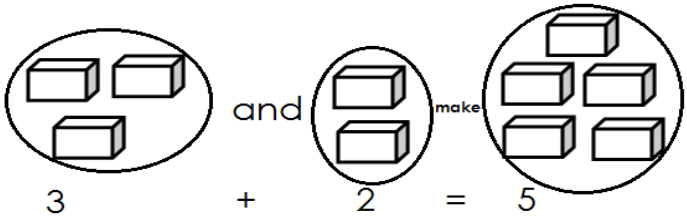
2. 

3. 

4. 

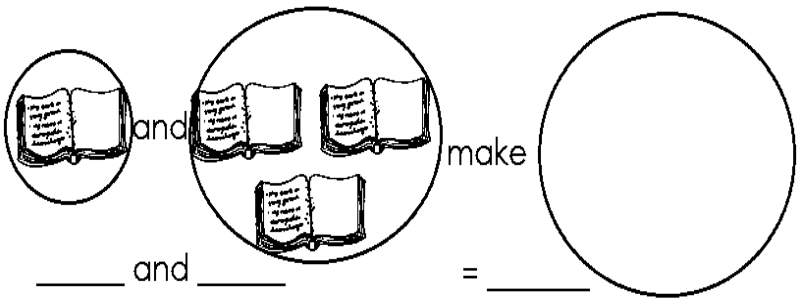
<u>Joining more sets</u>

Examples

1. 

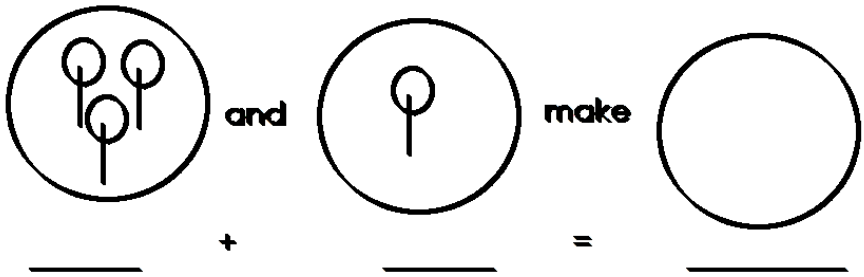
Activity

Join the following sets

1. 

2. 

3. 

4. 

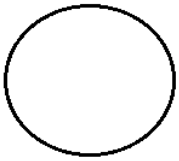
EMPTY SET

An empty set is a set with no members

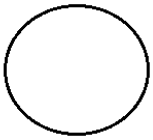
A symbol for an empty is 

Examples of empty sets

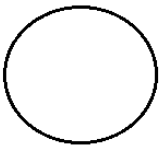
1. A set of snakes with legs.



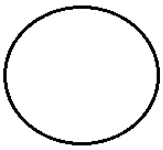
2. A set of girls with two heads each.



3. A set of frogs with horns



4. A set of cows with two legs each.



Activity

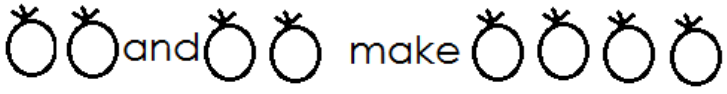
1. What is an empty set?
2. Draw the symbol for empty set.
3. Write empty set/not empty.
4. A set of boys who play football._____
5. A set of dogs which give us milk_____
6. A set of snakes with beards. _____

THEME: OUR SCHOOL

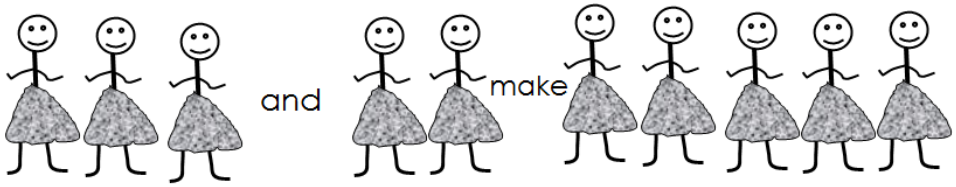
TOPIC: ADDITION OF NUMBERS LESS THAN 20

Addition of objects

Examples

1. 

2 + 2 = 4

2. 

3 + 2 = 5

Activity

Add the objects

1. 

make_____

_____ +_____ = _____

2. 

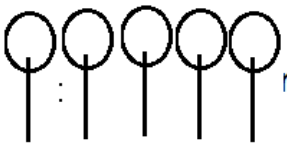
make _____

_____ + _____ = _____

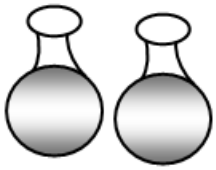
3. 

_____

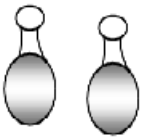
_____ + _____ = _____

4.  and  make _____

_____ + _____ = _____

5. 

_____

and  make _____

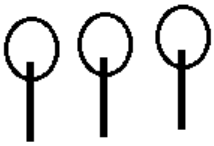
+ _____ = _____

6.  and  make _____

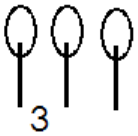
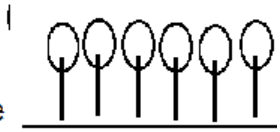
_____ + _____ = _____

<u>More addition of objects</u>

Examples

1. 

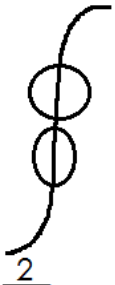
3

and  make 

\+ 3 = 6

2. 

3

\+ 

2

= 

5

Activity

Add the following objects

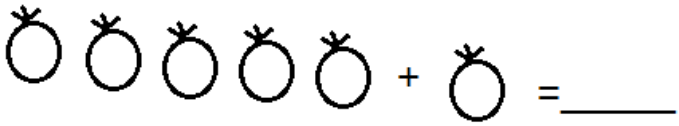
1.  +  =_____

_____ _____

_____ + _____ = _____

2.  =_____

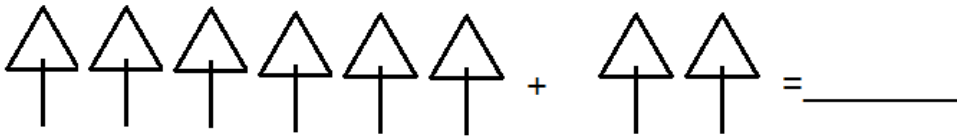
_____ + _____ =_____

3.  =_____

_____ + ____ =_____

4.  =

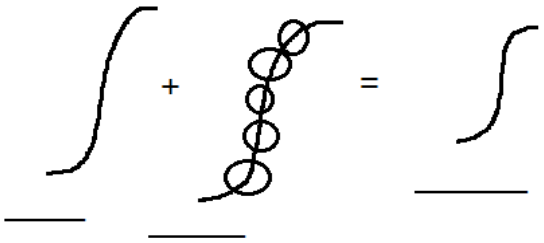
_____ + _____ = _____

5.  =_____

_____ + _____ =_____

6.  + =_____

_____ + _____ =_____

7. 

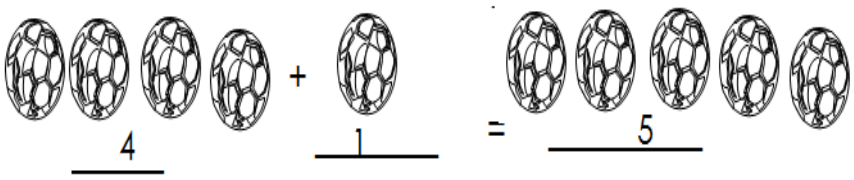
____ ____ ____

Filling in the missing numbers in addition

Examples

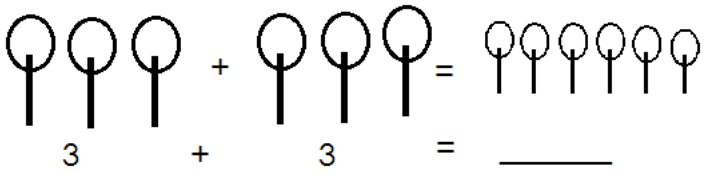
1. 

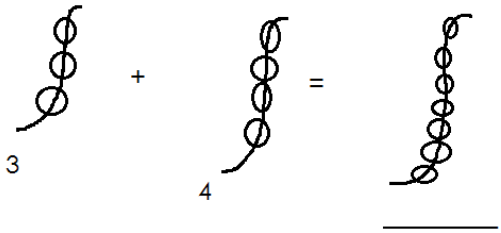
2 + 2 = 4

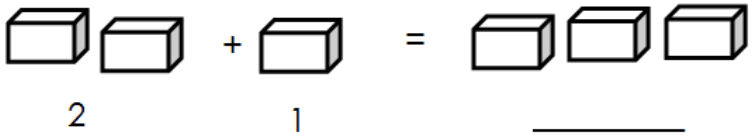
2. 

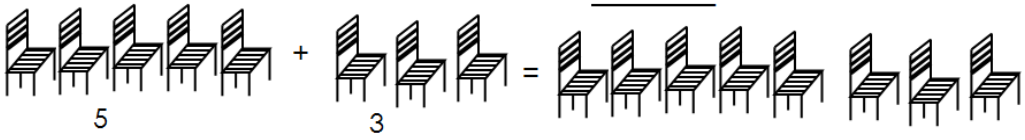
Activity

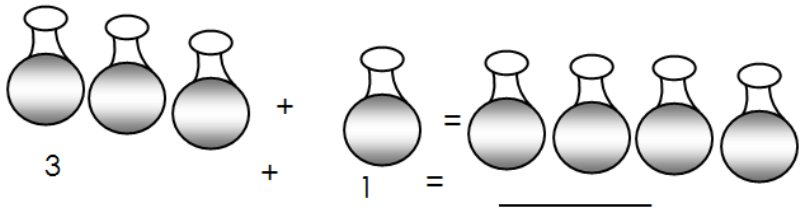
Fill in the missing number

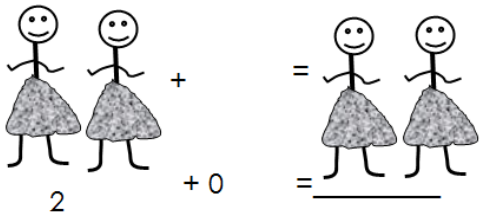
1. 

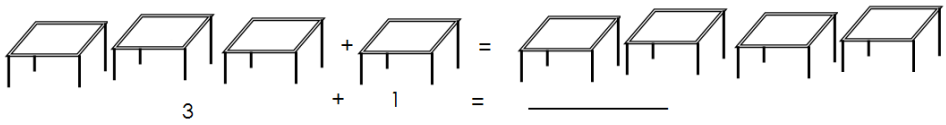
2. 

3. 

4. 

6. 

7. 

8. 

Addition of two numbers horizontally.

Examples

Add:

1. 2 + 2 = 4

2. 4 + 3 = 7

3. 5 + 0 = 5

4. 1 + 2 = 3

Add the following numbers

1. 7+3= 2. 5+4= 3. 1+7= 4. 4+2= 5. 2+0

6. 9+3= 7. 4+0= 8. 5+2=

Addition of two numbers vertically

Examples

1. + 2 / 4 / 6

(2) + 5 / + 5 / + 6 0 / 2

(3) + 1 / 8 / 9

Add:

1. + 4 / 4 / _____

(2) + 6 / 4 / _____

+ 3 / 0 / _____

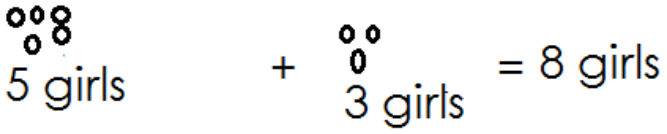
(5) + 7 / 2 / _____

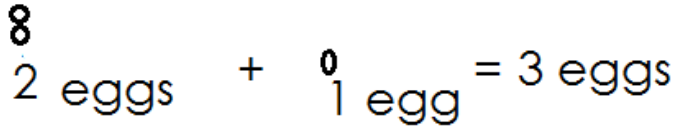
(6) + 8 / 4 / _____

More addition

Examples

1. 3 cups + 2 cups = 5 cups

2. 

3. 

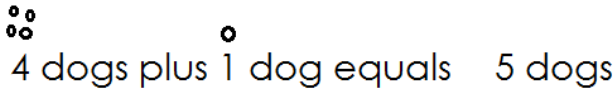
Activity

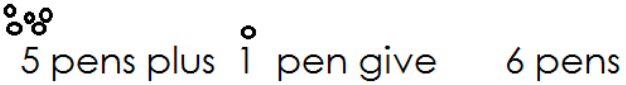
Add:

1. 3 books+2 books=_____
2. 9 sticks + 1 stick=_____
3. 6 chairs + 3 chairs=_____
4. 7 boys+ 2 boys=_____
5. 1 cat+ 3 cats=_____
6. 8 pencils + 2 pencils=_____

More addition of two numbers involving word problems

Examples





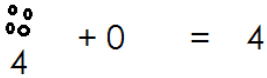
Read and add

1. 4 books plus 3 books equals_____
2. 0 chairs plus 8 chairs make_____
3. 6 pencils plus 1pencil give_____
4. 2 cups plus 2 cups equals_____
5. 1 boy plus 3 boys make_____
6. 4 cups plus 6 cups make_____
7. 2 boxes plus 8 boxes gives_____

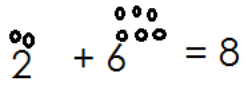
More addition

Examples

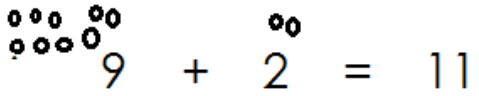
1. Four plus zero equals four



2. Two plus six give eight



3. Nine plus two equals eleven



Activity

1. Three plus two equals_____
2. Ten plus one equals_____
3. Six plus six make_____
4. Eight plus two give_____
5. One plus one make_____

More addition

Examples

1. 3 balls + 2 balls = 5 balls (2) 7 cups + 3 cups = 10 cups (3) 5 boys + 2 boys = 7 boys

Activity

Add these numbers

(1) 3 pots + 3 pots = _____

(2) 5 cats + 1 cat = _____

(3) 2 girls + 3 girls = _____

(4) 7 books + 2 books = _____

(5) 1 cow + 4 cows = _____

(6) 8 mangoes + 2 mangoes = _____

More addition involving word problems

Examples

1. Omit has 3 apples. Kintu has 6 apples. They have 9 apples altogether.

2. Agaba has 7 books
Sarah has +3 books
Both have 10 books altogether.

Activity

1. Ali has 4 pencils.
Rose has+ 3 pencils.
They have___pencils altogether.

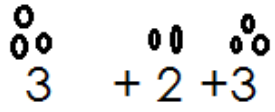
2. Mother has 2 bananas.
Daddy has +2 bananas.
They both have___bananas altogether.

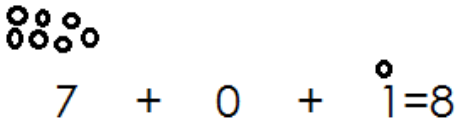
3. Moses has 9 shirts.
Tonny has +4 shirts.
Both have_____shirts altogether.

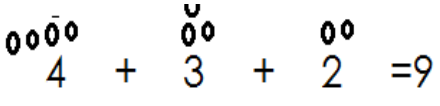
4. Kato has 6 cakes.
Wasswa has +2 cakes.
Both have_____cakes altoether.

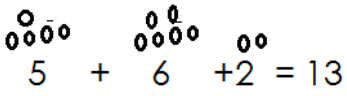
Addition of three numbers horizontally

Examples

1. 

2. 

3. 

4. 

Activity

1. 3+2+5= 2. 1+4+2= 3. 6+8+0= 4. 7+0+4= 5. 2+2+1=

6. 2+2+1= 7. 4+5+1= 8. 1+2+3= 9. 7+3+2=

Addition of numbers vertically.

Examples

(1)

$$\begin{array}{r} 1 \\ +\ 2 \\ \hline 2 \\ \hline 5 \end{array}$$

(2)

$$\begin{array}{r} 6 \\ +\ 0 \\ \hline 2 \\ \hline 8 \end{array}$$

(3)

$$\begin{array}{r} 4 \\ +\ 5 \\ \hline 3 \\ \hline 12 \end{array}$$

Activity

Add these numbers

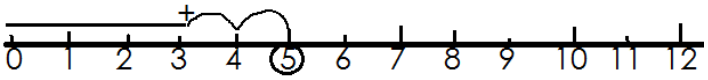
$$\begin{array}{r} 2 \\ +\ 1 \\ \hline 3 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ +\ 2 \\ \hline 3 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +\ 1 \\ \hline 1 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ +\ 4 \\ \hline 2 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +\ 2 \\ \hline 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +\ 4 \\ \hline 1 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +\ 0 \\ \hline 4 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ +\ 2 \\ \hline 9 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +\ 8 \\ \hline 3 \\ \hline \end{array}$$

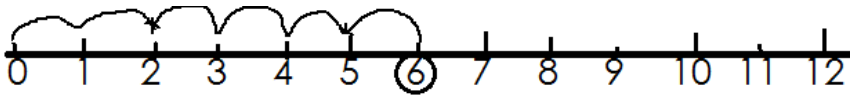
Addition of numbers using a number line

Examples

1. 3+2=5

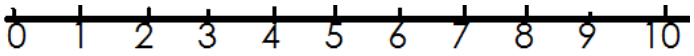


2. 2+3+1=6

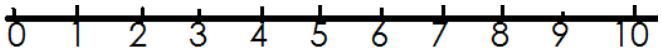


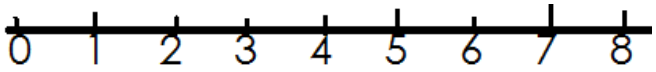
Activity

1. 2+2=

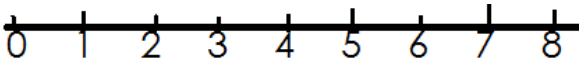


2. 4+3

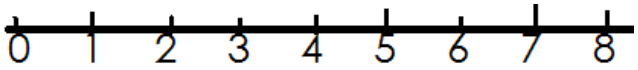
3. 



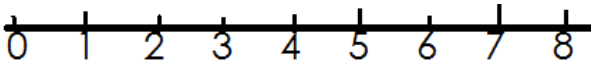
4. 5+5=



5. 1+2+3=

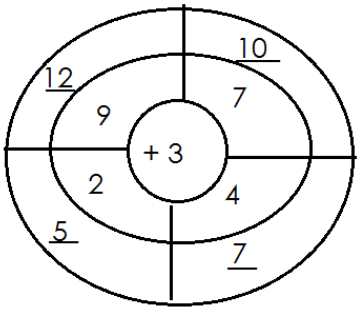


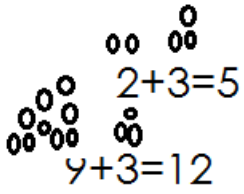
6. 2+2+4=

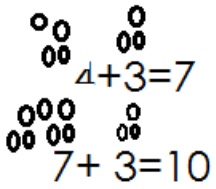


Filling the missing numbers in the table of addition.

Examples

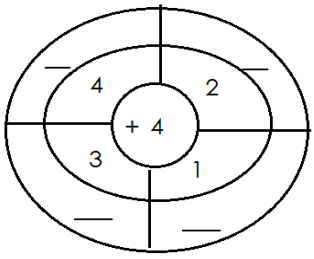


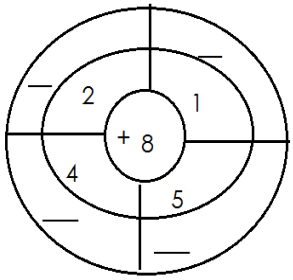




Activity

Complete the tables below.

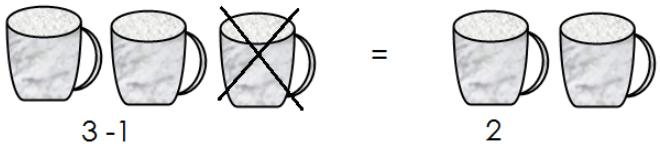




<u>SUBTRACTION F NUMBERS LESS THAN 20</u>

Subtract these objects

Examples

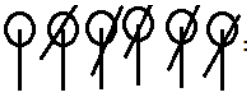
1. 

2. 

Activity

1.  =_____

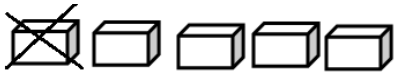
   4-1 =_____

2.  =____

   6-5 =_____

3.  =_____

   7-2 =_____

4.  =_____

   5-1 =_____

5.  =_____

   5-4 =_____

6.  =_____

   4-2 =_____

SUBTRACTION OF NUMBERS HORIZONTALLY

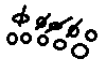
Examples

1. 

   7 - 3 =4

2. 

   2 - 2=0

3. 

   10 - 4 =6

4. 

   3 - 0 =3

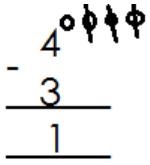
Activity

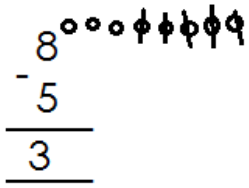
Subtract these numbers

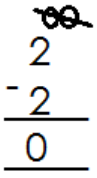
1.	6-4=	2.	5-3=	3.	10-7=	4.	12-8=	5.	9-6
6.	5-5=	7.	8-3=	8.	4-1=	9.	12-5=	10.	9-9=

SUBTRACTION OF NUMBERS VERTICALLY

Examples

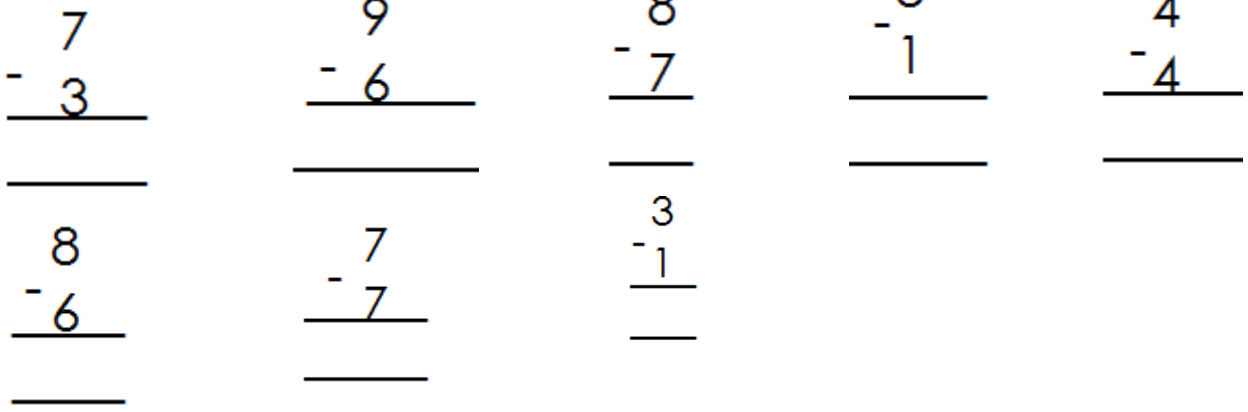
(1) 

2) 

3) 

Activity

Subtract the following numbers.



SUBTRACTING NUMBERS INVOLVING WORD PROBLEMS

Examples

1. 8 takeaway 4 make 4
2. 5 minus 3 equals 2.
3. 6 takeaway 1 give 5.

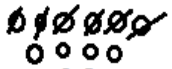
Activity

Subtract these numbers.

1. 5 takeaway 2 equals_____.
2. 10 minus 3 make_____
3. 7 subtract 5 give_____
4. 11 takeaway 4 equals_____
5. 6 minus 3 equals_____

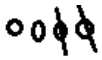
Subtraction of numbers involving word problems

1. ten takeaway six make four.



10 - 6 =4

2. Four minus two equals two



4 - 2 = 2

Activity

1. Seven takeaway four equals_____
2. Nine minus two equals_____
3. Three remove two we get_____
4. 8 balls remove 6 balls equals_____
5. Dan had 7 cakes he ate 5 of them. How many cakes did he remain with?
6. Joy had 10 pencils, he lost 4 of them. How many pencils remained?

MORE SUBTRACTION OF NUMBERS INVOLVING WORD PROBLEMS

Examples

1.

Adam had 7 bags.
He took away -1 bag.
Now he has 6 bags.

2.

Anna had 9 cakes.
She ate -2 cakes.
Now she has 7 cakes.

Activity

1. A boy had 4 books.
   He gave away -2 books.
   Now he has _____ books.

2. A teacher had 5 pencils.
   He gave away -4 pencils.
   Now he has _____ pencils.

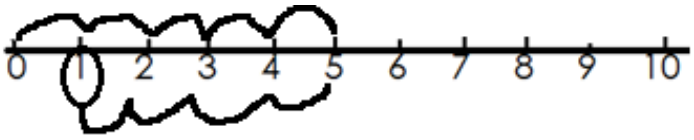
3. Tom had 9 cows.
He lost - 3 cows.
They remained _____ cows.

4. There were 10 eggs on the table,6 of them got broken, how many eggs were left?

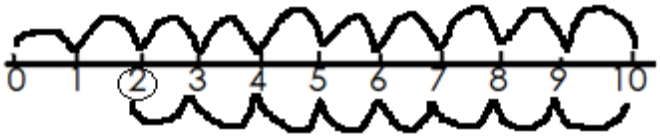
SUBTRACTION USING A NUMBER LINE

Examples

1. 5-4=1

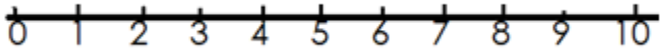


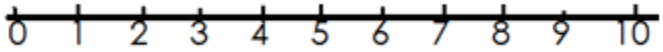
2. 10-8=2

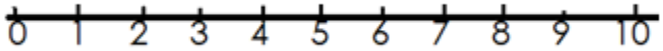


Activity

Use a number line to subtract.

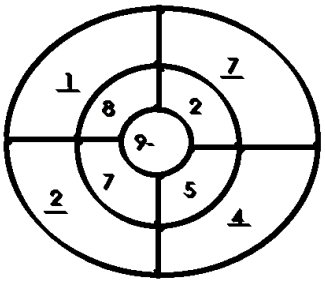
1. 4-3= 

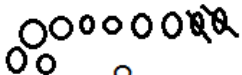
2. 5-5= 

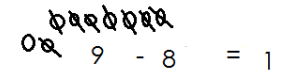
3. 6-3= 

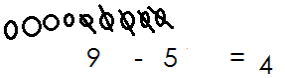
Filling missing numbers in the tables of subtraction.

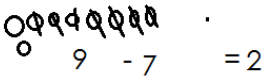
Examples.



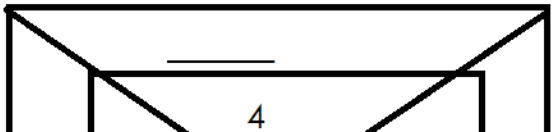








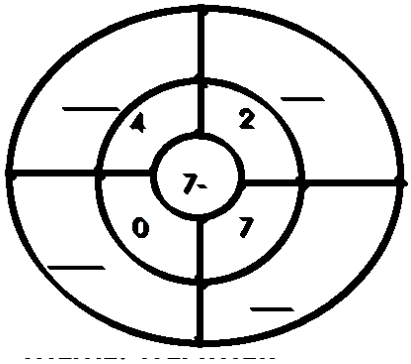
Activity



Fill in the missing numbers

2.

1.

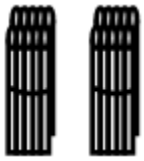


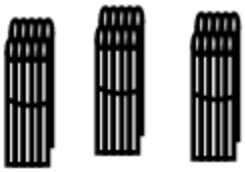
TOPIC: PLACE VALUES

Grouping objects in tens

Examples


=1 ten=10


=2 tens=20

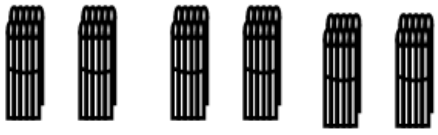

=3 tens =30

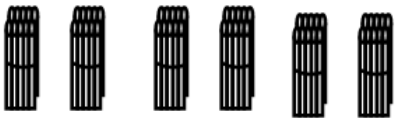
Activity

Count in tens

1. 
=_____tens=_____

2. 
=_____tens

3. 
=_____tens=_____


=_____tens=_____

4.

5.  =_____tens=_____

Counting tens and ones

Examples

1-1 ones	111111=6 ones
11=2 ones	1111111=7 ones
111=3 ones	1111111=8 ones
1111=4 ones	111111111=9 ones
11111=5 ones	

 = 1 ten and 4 ones

 3 tens and 5 ones

Activity

Count and write tens and ones.

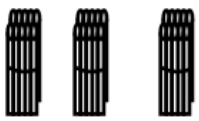
1.  =___tens___ones

2.  =____tens____ones

3.  = ___ten____ones.

4.  =____ones

5.  =____tens_____ones

6.  =____tens___ones

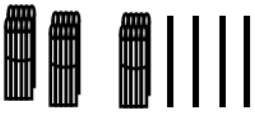
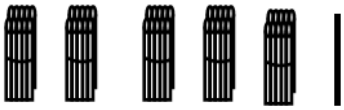
Writing tens and ones using bundles.

Examples

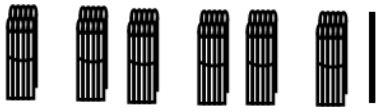
1.  =3 tens 2 ones=32
2. 
3.  = 2 tens 7 ones = 27

Activity

Write tens and ones

1.  =___tens ones=____
2.  =__tens___ones=___
3.  =__ten___ones=___
4.  = ___tens ____ones=____
5.  =___tens____ones=____
6.  =____tens____ones=____

Drawing bundles for the number

1. T O
   2 4= 
2. 61= 
3. 19= 

4. 37= 

Activity

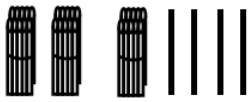
Draw bundles for the number

1. 42= 2. 38= 3. 19= 4. 20= 5. 16=

6. 55=

Writing numbers for the bundles

Examples

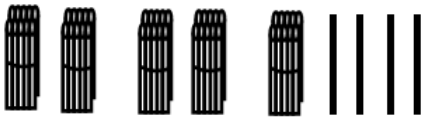
1.  =34

2.  =21

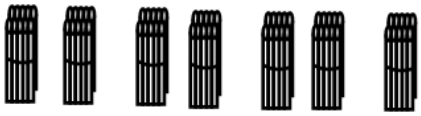
3.  =65

Activity

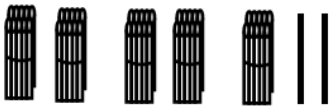
Write number

1.  =_____

2.  =_____

3.  =_____

4.  =_____

5.  =_____

6.  =_____

7.  =_____

Writing tens and ones without bundles

1. 84=8 tens 4 ones
2. 56=5 tens 6 ones.
3. 9 tens 4 ones=94
4. 6 tens 5 ones=65

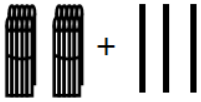
Activity

Write tens and ones

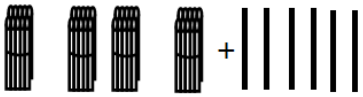
1. 18=____tens ____ones
2. 28=____tens____ ones
3. 93=____tens____ ones
4. 49=____tens_____ ones.
5. 7 tens 0 ones=_____
6. 4 tens 2 ones=_____
7. 1 ten 3 ones=_____

Expanding using bundles

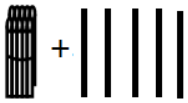
Examples

1. 23= 

20 + 3

2. 46 = 

40 + 6

3. 15= 

10 + 5

Activity

Write the following numbers in expanded form

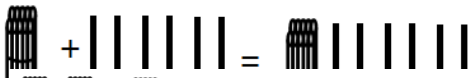
1. 29=____ +_____ 2. 63=_____+_____ 3. 12=_____+_____

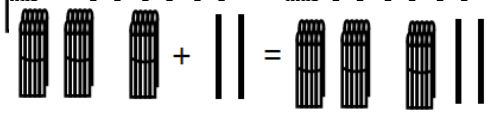
4. 58=_____+_____ 5. 34=_____ +_____ 6. 11=_____+_____

7. 47=_____+_____ 8. 22=_____+_____ 9. 61=_____+_____

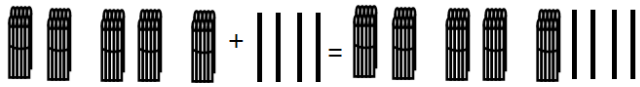
10. 10=_____+_____

Writing the expanded number

1. 

2. 

30 +2 = 32

3. 

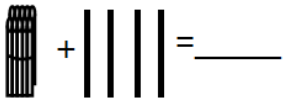
50 + 4 = 54

Activity

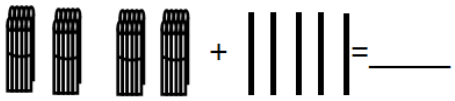
What number has been expanded?

1. 

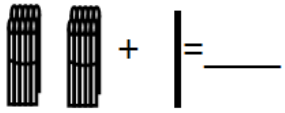
30 + 9 =_____

2. 

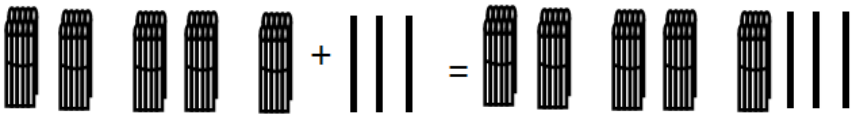
10 + 4 =_____

3. 

40 + 5 =_____

4. 

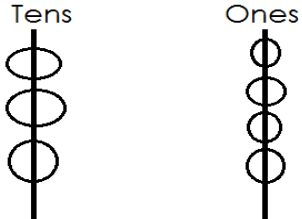
20 + 1 =___

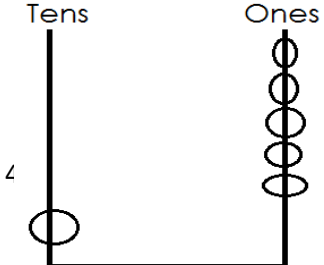
5. 

50 + 3 = 53

Writing tens and ones on the abacuses

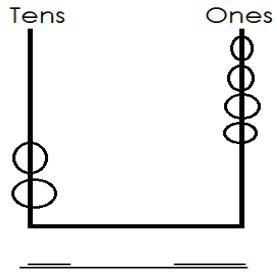
Examples

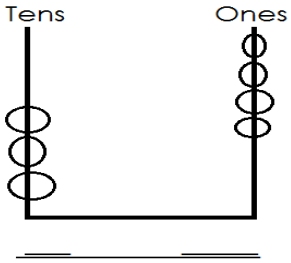
1. 

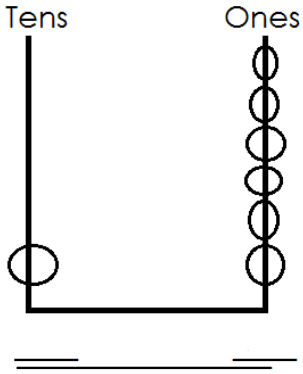
2. 

Activity

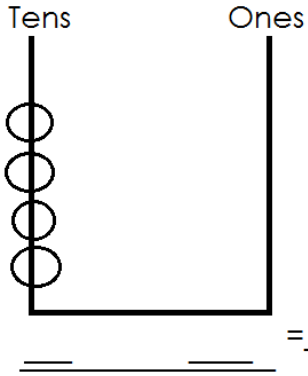
Count and write tens and ones on the abacus.

1. 

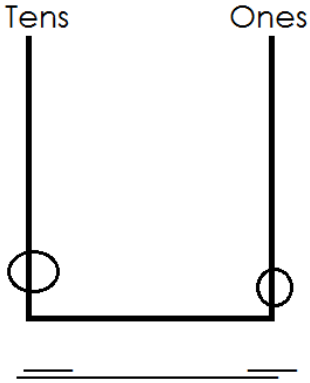
2. 

3. 

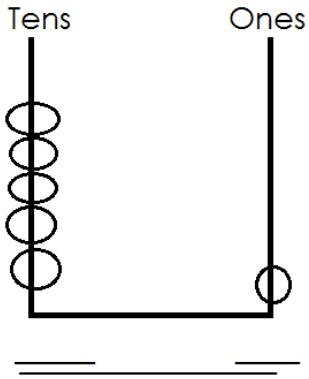
=____

4. 

=____

5. 

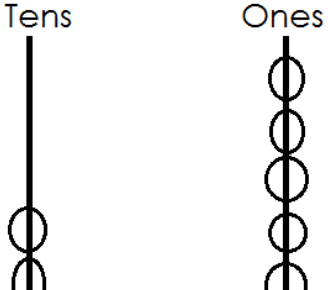
=____

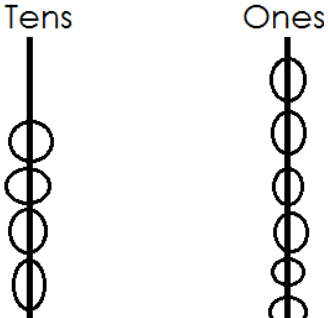
6. 

=____

Drawing tens and ones on the abacuses

Examples

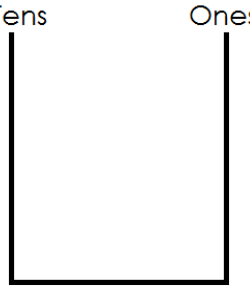
25= 

46= 

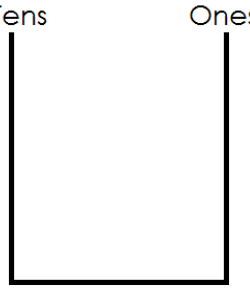
Activity

Show the tens and ones on the abacuses.

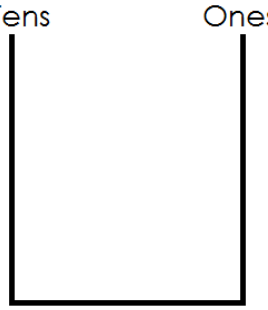
23= Tens Ones



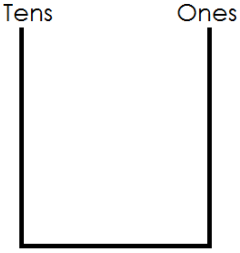
51= Tens Ones



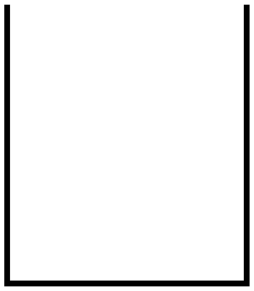
20= Tens Ones



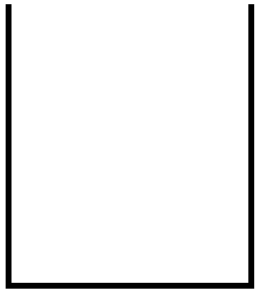
41= Tens Ones



58= Tens Ones



19= Tens Ones



Adding tens and ones

Examples

1.

T	O
4 0000	3 000
+	5 00000
4	8

(2)

T	O
1	6
+	
4	3
5	9

44

3.

T	O
7	2
+ 2	5
9	7

1.

T	O
2	4
+	3

2.

3.

T	O
1	3
+ 2	6

4.

	O
2	5
+ 1	3

5.

T	O
1	1
+ 4	6

6.

T	O
5	0
+ 2	0

7.

T	O
6	1
+	7

8.

T	O
4	6
+ 3	0

9.

T	O
7	8
+ 3	1

More addition of tens and ones

Examples

1. 24+2=

T	O
2	4
+	2

2. 71 +5=

T	O
7	1
+	5

3. 25+34=

T	O
2	0
+ 3	4

4. 17+30=

T	O
1	7
+ 3	0

45

Activity

Add the following numbers

(1) 46+22= 2. 51+7= 3. 22+3= 4. 13+5= 5. 61+18=

6. 33+24= 7. 50+20= 8. 14 +21=

ADDING TENS AND ONES INVOLVING WORD PROBLEMS

Examples

1. Ali has 16 books. Rhoda has 13 books. How many books do they have altogether?

	T	O	
	1	6	books
+	1	3	books
	2	9	books

2. 53 plus 20 equals=_____

	T	O
	5	3
+	2	0
	7	3

Activity

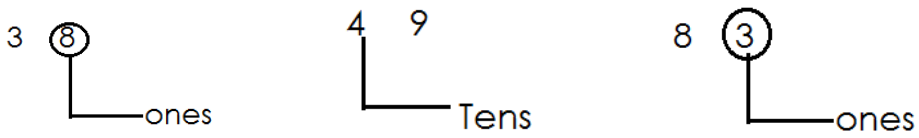
Read and add:

1. 71 pencils plus 24 pencils equals_____
2. 36 balls plus 21 balls equals_____
3. 16 cats plus 30 cats give_____
4. Tony has 41 cars, Milly had 15 cars. Ruth have_____ cars altogether.
5. There are 23 eggs on the tray and 41 eggs in the basket. How many eggs are there altogether?

WRITING PLACE VALUES OF DIGITS IN THE NUMBERS

Examples

Write the place value of the circled digits.



Activity

1. Write he place values of the circled digits.

4 (6) (1) 7 (3) 7

2. Write the place value of 6 in the number

86 61 64

SUBTRACTING TENS AND ONES

Examples

1.

T	O
2	6
-	3
2	3

2.

T	O
7	6
-	6
7	0

3.

T	O
4	8
-	6
4	2

Activity

Subtract these numbers

1.

T	O
6	8
-	2

2.

T	O
6	7
-	5

3.

T	O
4	6
-	5

4.

T	O
8	8
-	7

5.

T	O
6	7
-	3

6.

T	O
3	7
-	6

MORE SUBTRACTION OF TENS AND ONES

Examples (2)

1.

T	O
3	9
-1	5
4	4

T	O
6	6
-2	2
4	4

Activity

Subtract these numbers

1.

T	O
9	5
-3	0

(2)

T	O
2	8
-2	1

(3)

T	O
9	6
-7	5

T	O
7	4
-4	1

T	O
7	5
-3	2

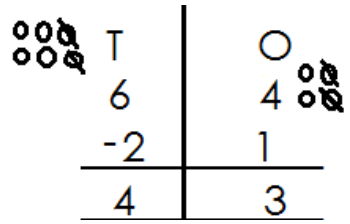
T	O
9	6
-7	

4. 5. 6.

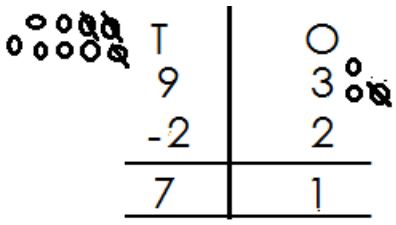
MORE SUBTRACTION OF TENS AND ONES

Examples

1. 64-21=



2. 93-22=



Activity

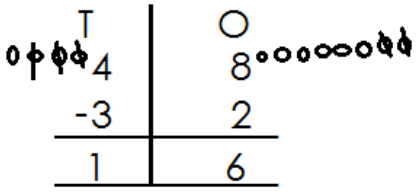
Arrange and subtract tens and ones

1. 14-11= 2. 45-12 3. 18- -13= 4. 88-44= 5. 43-10 6. 65-43=
7. 43-10= 8. 21-10= 9. 76-25= 10. 82-61=

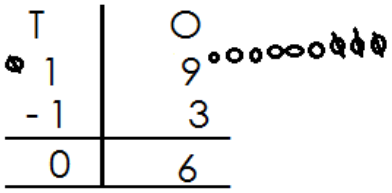
SUBTRACTION OF TENS AND ONES INVOLVING WORD PROBLEMS.

Examples

1. 48 take away 32 equals 16



2. 19 books subtract 13 books make 6



Activity

1. 55 minus 24 equals_____
2. What is 19 takeaway 15 equal to?
3. 38 subtract 15gives_____
4. 43 takeaway 22 make_____

TERM TWO

THEME:

TOPIC: <u>COUNTING AND WRITING NUMBERS 1-100</u>

<u>COUNTING AND WRITING NUMBERS 1-100</u>

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	43	44	45	46	47	48	49	50	51	52	53
54	55	56	57	58	59	60	61	62	63	64	65	66
67	68	69	70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89	90	91	92
93	94	95	96	97	98	99	100					

Filling in the missing numbers

1. 12, 13, 14, 15, 16, 17, 18, 19, 20
2. 22, 23, 24, 25, 26, 27, 28, 29, 30
3. 10, 20, 30, 40, 50, 60, 70, 80, 90
4. 65,66,67,68,69,70,71,72,73,74.

Activity

Fill in the missing numbers

1. 51, 52, ___, ___, 55, 56, 57
2. 37, ___, 39, 40, 41, ____, ____, 44
3. 60, 61, 62, ____, ____, 65, ____, 67
4. 9, 10, ___, ___, 13, 14, ____, 16, ____, 18
5. ___, 19, 20, ____, 22, ___, 24, ____, 26
6. 17, 16, ___20, ____21, ___, 23, ____, 25.

WRITING NUMBERS BEFORE AND AFTER

Examples

17, 18, 19 77, 78, 79

61, 62, 63 24, 25, 26

8,9,10 30, 31, 32

Activity

Write the number before and after

____, 8, _____ _____, 25, _____ _____, 16, _____ _____3, _____ ____78, ____

____, 77, _____ ____19, _____ _____99, _____

Identifying big and small numbers

Examples

1. Circle the bigger number

16 or (74) (29) or 4

2. Circle the smaller number

(69) or 71 (3) or 9

Activity

1. 2 or 17 93 or 98

50 or 12 18 or 44

83 or 100 24 or 5

11 or 7 18 or 63

2. **Circle the smaller number**

5 or 34 85 or 88

10 or 80 27 or 67

17 or 3 or 49

Comparing numbers using greater than and less than

Examples

1. 15 is greater than 13
2. 86 is less than 95

3. 43 is greater than 18.

Activity

Compare the following numbers using greater than or less than

1. 20 is _____40.
2. 64 is_____12
3. 13 is_____88
4. 55 is_____94
5. 18 is_____25
6. 10 is_____4

Arranging numbers from the smallest

Examples

1. 7 5 3 6 4

   3 4 5 6 7
2. 38 34 39 40 36 35

   34 35 36 38 39 40
3. 93 43 13 27 5

   5 13 27 43 93

Activity

Arrange the following numbers starting with the smallest

1. 15 18 24 13 20
2. 61 59 58 60 58
3. 88 87 84 85 86
4. 53 50 61 17 9
5. 8 9 12 6 3 11

Arranging numbers starting with the biggest

Examples

1. 8 10 3 7 15 4

   15 10 8 7 4 3
2. 43 59 65 12

   65 59 43 12

Activity

Arrange the following numbers starting with the biggest

1. 18 15 20 16 17 19
2. 73 70 78 71 76 75
3. 4 2 7 9 16 8
4. 69 51 25 69 46
5. 34 31 37 35 36
6. 25 19 38 13 20

Writing numbers in words

1-one 2-two 3-three 4-four 5-five 6-six 7-seven

8-eight 9-nine 10-ten 11-eleven 12-twelve 13-thirteen 14-fourteen

15-fifteen 16-sixteen 17-seventeen 18-eighteen 19-nineteen

20-twenty 30-thiryt 40-forty 50-fifty 21-twenty one 60-sixty

70-seventy 80-eighty 90-ninety 100-one hundred

Activity

Write the following numbers in words

20-_____ 88-_____35-_____ 49-_____ 64-_____

26-_____ 11-_____ 54-_____

Write in figures

Twelve-12 eighty four-84 sixty thre-63 thirty-30 ninety-90 seventy one-71

Activity

Write in figures

Fifteen-_____ forty six=_____ eighty three=_____

Sixty one=_____twenty eight=_____ nine=_____

One hundred=_____ thirty nine=_____

Counting and writing tens and ones

Examples

1.  = 2 tens 5 ones =25
2.  4 tens 1 ones = 41

3.  = 1 ten 7 ones =17

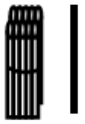
Activity

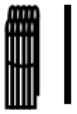
Count and write tens and ones

1.  =_____tens _____ones=_____

2.  =_____tens_____ones=_____

3.  =_____tens _____ones=_____

4.  =_____tens_____ones=_____

5.  =_____tens_____ones=_____

Drawing tens and ones

Examples

Draw bundles for the numbers

1. 46= 

2. 13= 

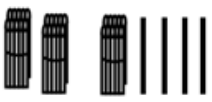
3. 72= 

Activity

1. **Draw bundles for the number**

(a) 32= (b) 19= (c) 82= (d) 49= (e) 16= (f) 25=

2. **Write the number**

(a)  =_____

(b) =_____

(c)  =_____

(d)  =_____

Filling in tens and ones

Examples

1. 16= 1 ten 6 ones
2. 35= 3tens 5 ones
3. 3 tens 8 ones= 38
4. 7 tens 0 ones=70

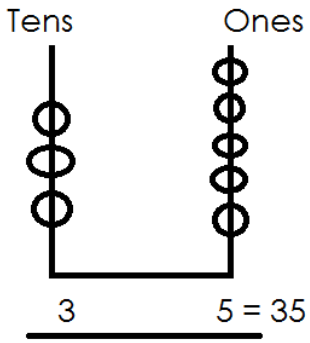
Activity

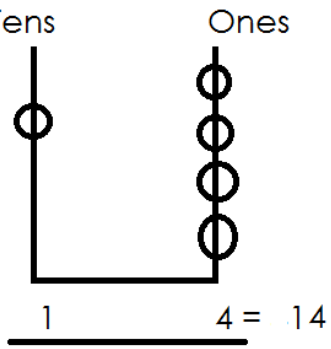
Fill in tens and ones

1. 18=____ten_____ones
2. 33=tens_____ones
3. 98=____tens_____ones
4. 77=_____tens_____ones
5. ____tens_____ones=13
6. _____tens_____ones=99
7. _____tens_____ones=24

Counting tens and ones from the abacui

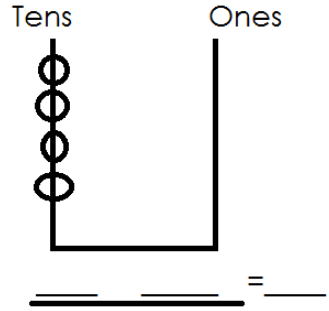
Examples

1. 

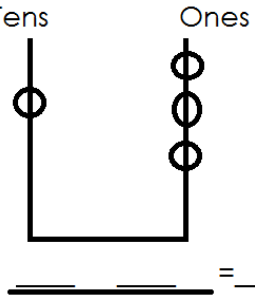
2. 

Activity

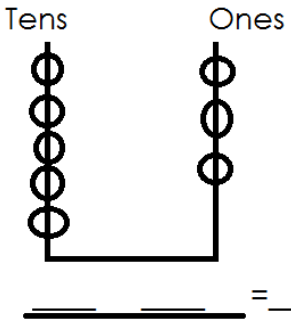
1. Count tens and ones on the abacuses

1. 

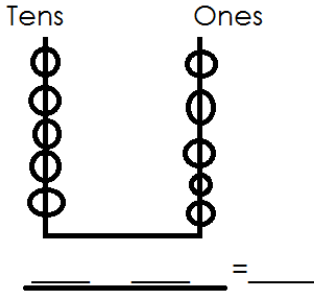
___ ___ =___

2. 

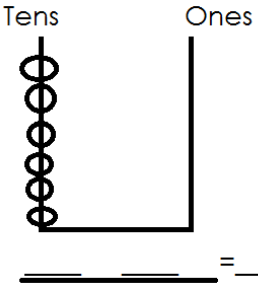
___ ___ =___

3. 

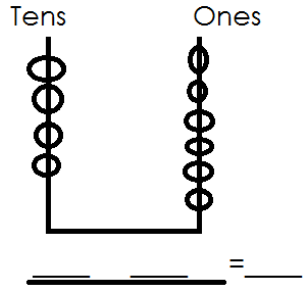
___ ___ =___

4. 

___ ___ =___

5. 

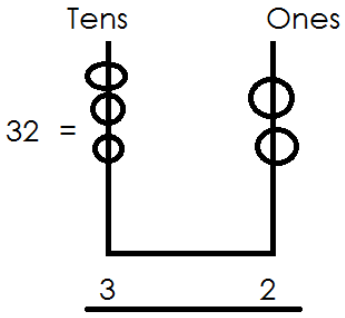
___ ___ =___

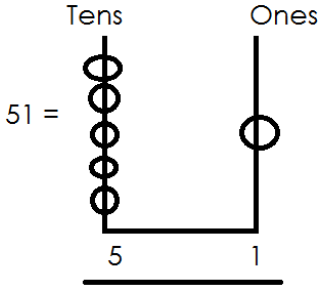
6. 

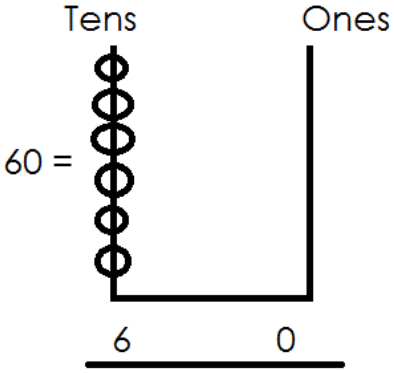
___ ___ =___

Drawing tens and ones on the abacuses

Examples

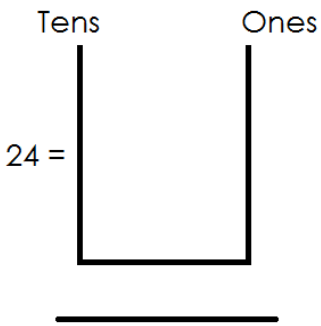


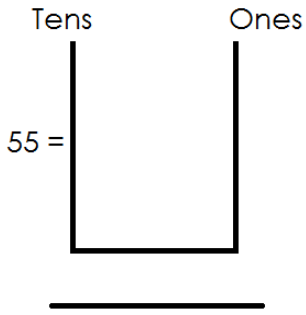


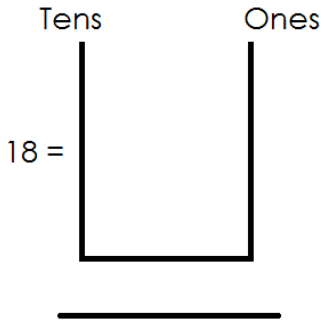


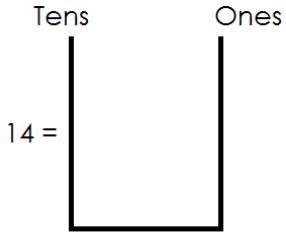
Activity

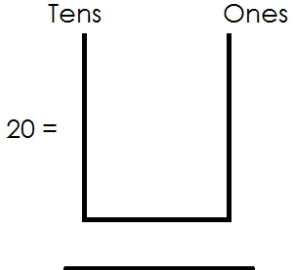
Show the given numbers on the abacuses

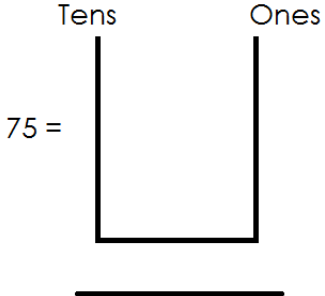












More addition of tens and ones

Examples

1.

	T	O
+	1	3
	4	2
	5	5

2.

	T	O
+	8	1
	1	6
	9	7

3.

	T	O
	4	0
+	2	7
	6	7

Add tens and ones

1.

	T	O
+	2	4
	6	3

2.

	T	O
+	1	1
	4	8

3.

	T	O
+	7	1
	2	4

4.

	T	O
	4	8
+		1

5.

	T	O
+	4	4
	2	2

6.

	T	O
+	5	2
+		5

Subtracting tens and ones

Examples

	T	O
-	4	6
	2	1
	2	5

	T	O
	6	9
-		3
	6	6

	T	O
	3	7
-	1	2
	2	5

Activity

Subtract: tens and Ones

1.

	T	O
	4	5
-		5

2.

	T	O
	8	9
-	7	2

3.

	T	O
	4	4
-	1	3

4.

	T	O
	9	7
-		5

5.

	T	O
	7	7
-	2	2

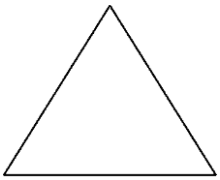
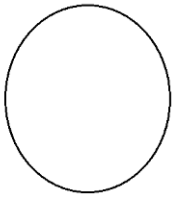
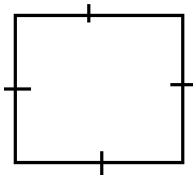
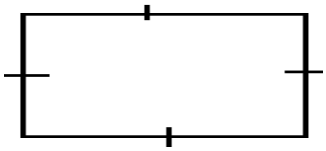
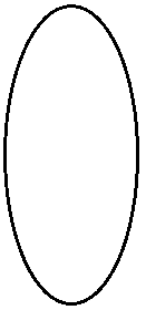
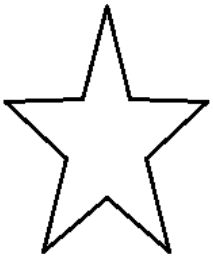
6.

	T	O
	6	5
-	3	2

THEME

TOPIC: COMMON SHAPES

Naming common shapes

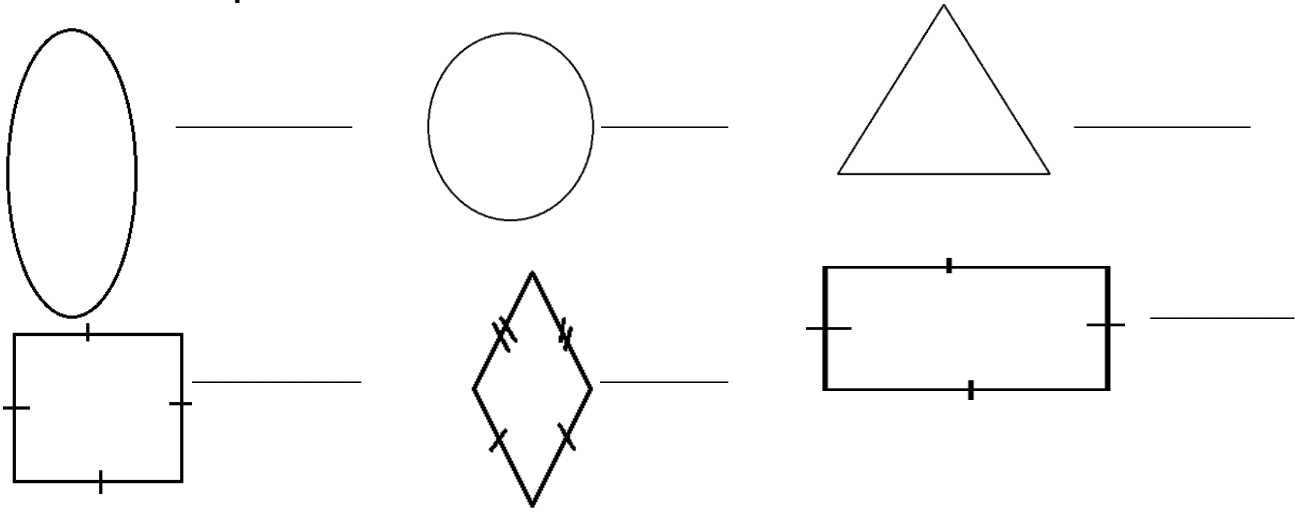
 triangle	 circle	 square
Straight line	 rectangle	 curve
 oval	 star	 Zig-zag

Activity

1. **Fill in the missing letters**

C___rcle squ__r__ curv___ ___val sta___ rect__ngl__

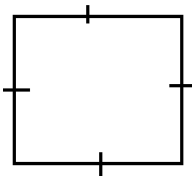
2. **Name the shapes**



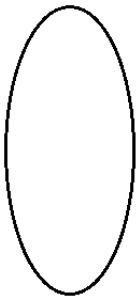
Drawing common shapes

Examples

Square



oval



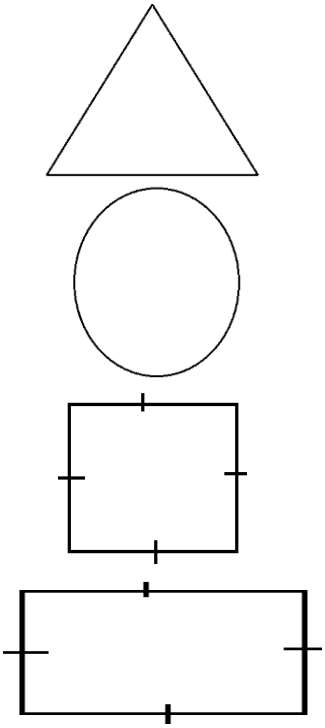
kite

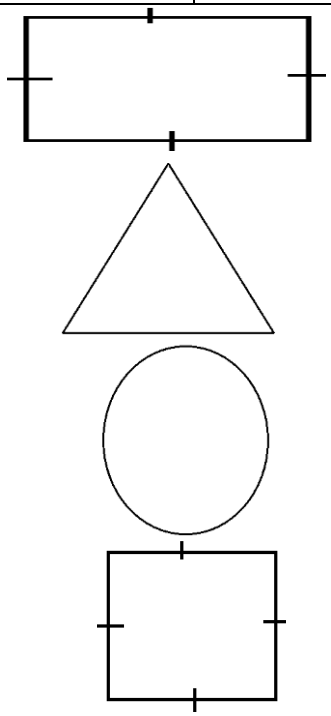
Activity

1. **Draw the following shapes**

circle	Triangle	rectangle	Kite
square	oval	Straight line	curve

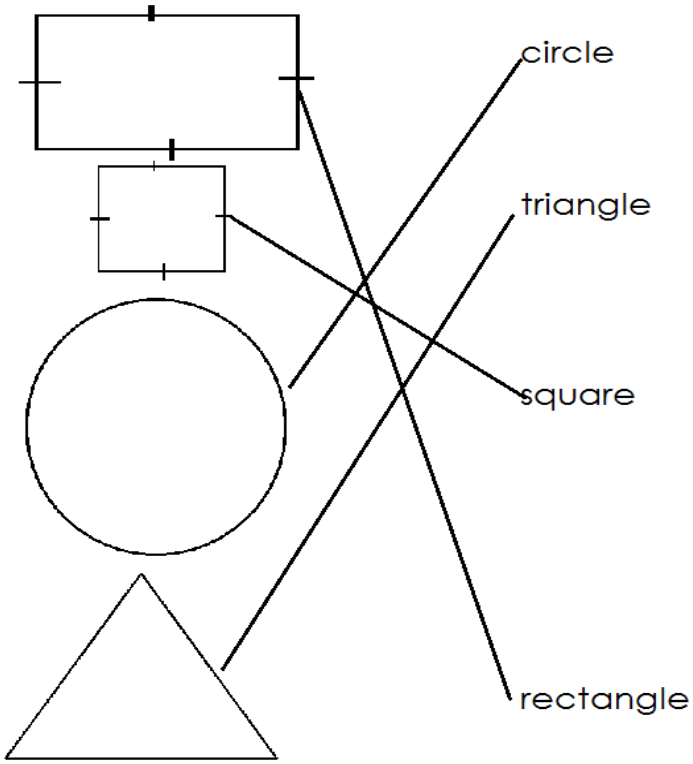
2. **Match the same shapes**





3. **Matching shapes to their names**

Examples



Activity

Match names to their shapes

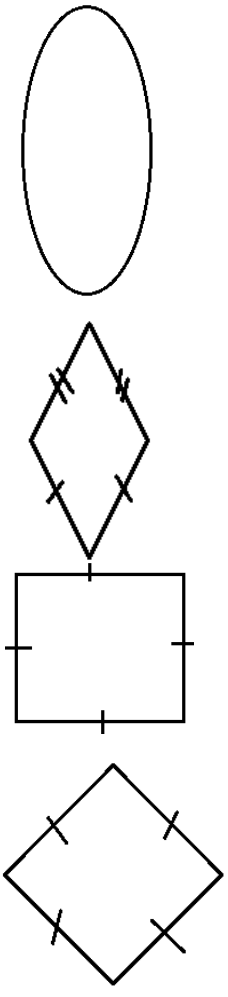
kite

square

rectangle

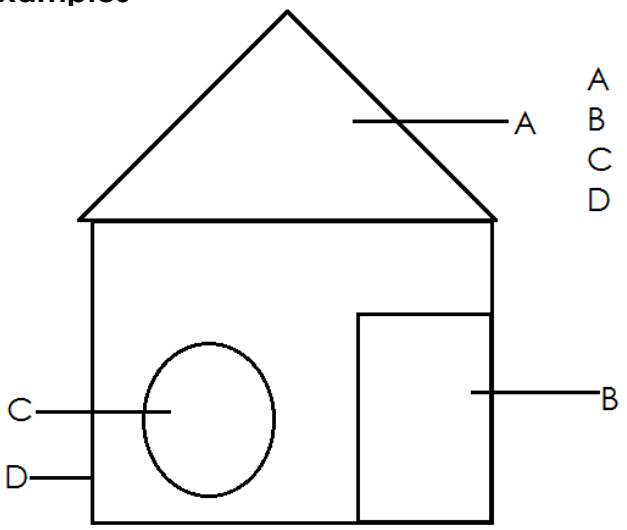
zigzag

oval



Identifying shapes from pictures

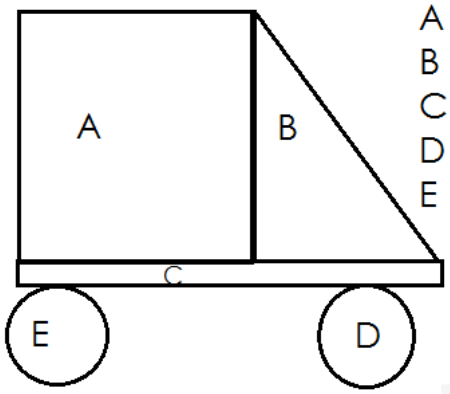
Examples



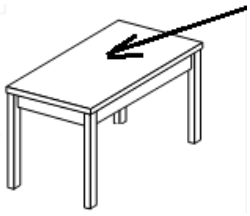
A is triangle
B is rectangle
C is circle
D is square

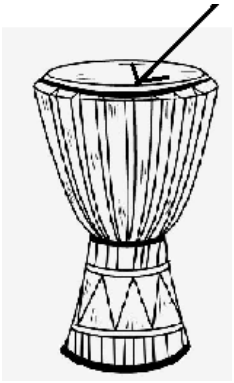
Activity

Name the shapes inthe picture



A is_____
B is_____
C is_____
D is_____
E is_____

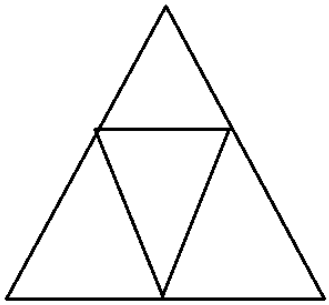




Identifying and counting number of shapes

Examples

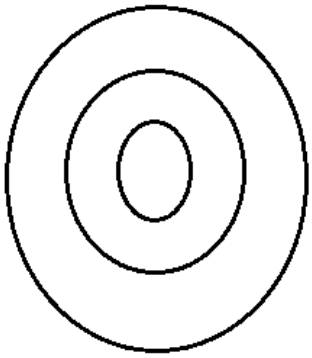
How many triangles can you see?



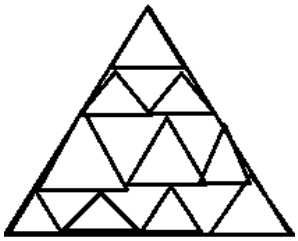
I can see 5 triangles.

Activity

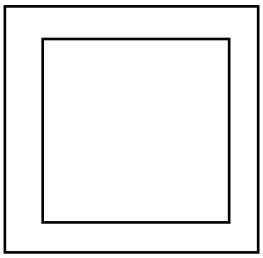
Count the number of shapes



There are _____circles



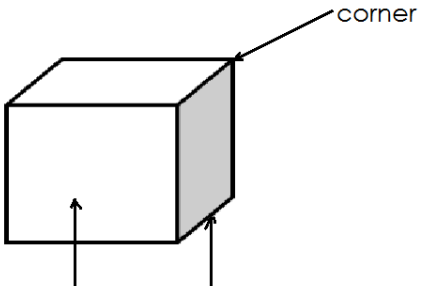
There are_____triangles.



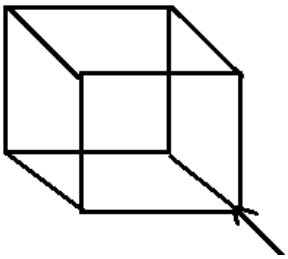
There are _____rectangles.

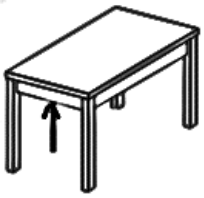
Naming faces edges and corners

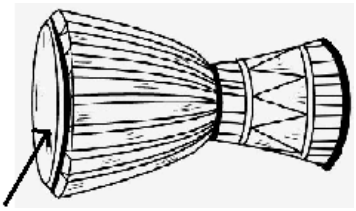
Examples



Name the parts







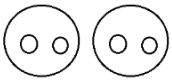
THEME

TOPIC: MULTIPLICATION OF NUMBERS

Examples

1. 

   1 group of 2 = 1 two =2

2. 

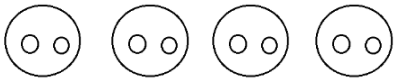
   2 groups of 2=2 twos=4

3. 

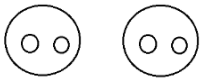
   3 groups of 2=3 twos =6

Activity

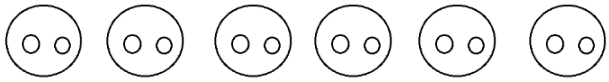
Fill in the missing numbers

1. 

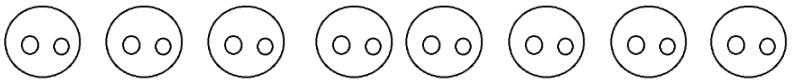
   4 groups of 2=_____twos=_____

2. 

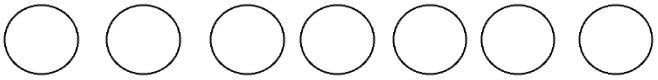
   ___ groups of 2=___twos=_____

3. 

   _____ groups of 2=____twos=12

4. 

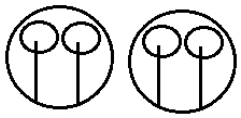
   _____groups of 2 =_____twos=_____

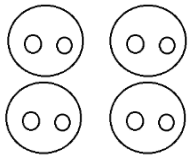
5. 

   _____groups of 2 =_____twos=_____

Forming groups of two

Examples


=2 twos=4

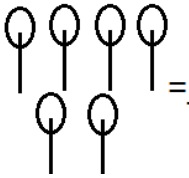

=4 twos=8


= 1 two =2

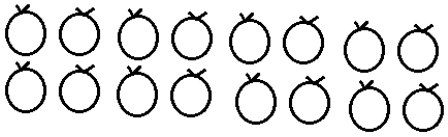
Activity

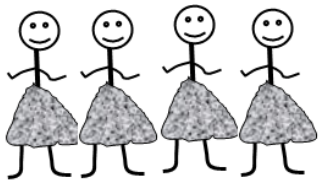
Form and count groups of two

1. 
=____twos = 12

2. 
=____twos = 6

3. 
=____twos = 10

4. 
=_____twos =16

5. 
=_____twos =4

Counting in twos

Examples 

1 two = 2 =2

2 twos= 2 + 2 =4

3 twos= 2 + 2 + 2 = 6

6 twos= 2 + 2 + 2 + 2 + 2 + 2 =12

Activity

Count in two

1. 5 twos= 2 + 2 + 2 + 2 + 2=_____

2. 4 twos= 2 + 2 + 2 + 2=_____

3. 10 twos= 2 + 2 + 2 +2 +2 +2 +2+ 2 +2 +2 +2=_____

4. 7 twos = 2+ 2 +2 +2 +2 +2 +2=_____

5. 3 twos= 2 + 2 + 2=_____

More on counting in twos

Examples

1. 2 =_____ 1 two=2
   2+ 2 =_____ 2 twos=4
   2 + 2 + 2=____ 3 twos=6
   2 + 2 + 2 + 2=____ 4 twos=8

Activity

Count in twos

1. 2+2+2+2+2=_____twos=_____
2. 2+2+2+2+2+2+2=_____twos=_____
3. 2+2+2+2+2+2+2+2=_____twos=_____
4. 2+2=_____twos=_____
5. 2+2+2+2+2+2+2=____twos=_____

Adding and multiplying

Examples

2= 1x2= 2 + 2 = 2 x 2 =4

2 + 2 + 2= 3x2=6

2 + 2 + 2 + 2 = 4x2=8

Activity

1. 2 + 2 + 2 + 2 + 2 = 5x2=_____
2. 2x2x2x2x2x2=6x2=_____
3. 2x2x2x2x2x2x2x2= 8x2=_____
4. 2x2x2x2x2x2=6x2=_____
5. 2x2x2x2x2x2x2x2x2= 9x2=_____

Add and multiply more numbers

Examples

1. 2+2+2= 3x2=6
2. 2+2+2+2+2= 5x2=10
3. 2+2+2+2=4x2=8

Activity

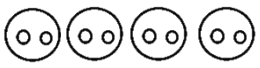
Add and multiply numbers by two.

1. 2+2= 2x2=_____
2. 2+2+2+2= ____x____=____
3. 2+2+2+2+2+2= ____x____=____
4. 2+2+2+2+2+2+2= _____x____=_____
5. 2 = ____x_____=____

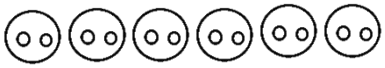
Multiplying by two horizontally

Examples

2 x 2 =4



4 x 2 =8



6 x 2 =12

1 x 2 =2

Multiply by two

3x2= 10x2= 8x2= 5x2= 12x2= 7x2= 4x2= 9x2= 2x2=

Multiplying by two

Examples

$$\begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$$

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

$$\begin{array}{r} 3 \\ \times\ 2 \\ \hline 6 \end{array}$$

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

Activity

$$\begin{array}{r} 4 \\ \times\ 2 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 11 \\ \times\ 2 \\ \hline \end{array}$$

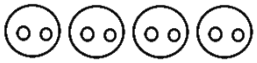
Word problem involving multiplication

Examples

1. What is two times two?

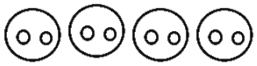
2 x 2 =4

2. 4 groups of two make 8



4 x 2 =8

3. What s four multiplied by two?



4 x 2 = 8

Activity

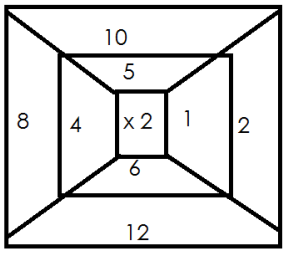
Read and multiply by two

1. How many twos make 6?
2. what is 6 times 2?
3. 7 groups of twos make_____
4. I bird has two legs. 4 birds have _____legs.
5. What is 9 multiplied by two?

6. One boy had 2 legs. How many legs do 7 boys have?

FILLING IN TABLES OF TWO

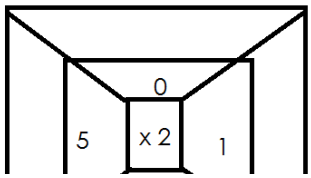
Examples

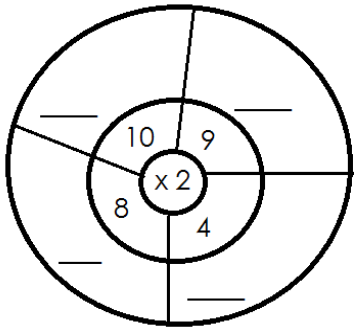


1x2=2
4x2=8
5x2=10
6x2=12

Activity

Fill in the missing numbers

1. 

2. 

GROUPING OBJECTS IN THREES

Examples

1 group of 3 =1 three=3

2 groups of3= 2 threes=6

3 groups of 3=3 threes=9

Activity

4 groups of 3=

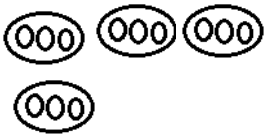
5 groups of 3=

6 groups of 3 =

FORMING GROUPS

Examples

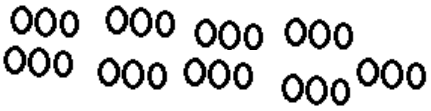
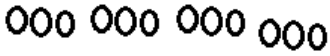
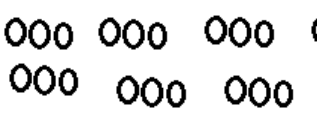
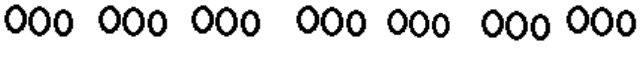
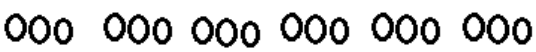
 = 2 threes= 6

 =3 threes =9

= 1 three= 3

Activity

How many threes

1.  _____threes=_____
2.  =____threes=_____
3.  =____threes=_____
4.  =_____threes=_____
5.  =_____threes=_____

Counting in threes

Examples

1. 1 three=3=3
2. 3 threes=3+3+3=9
3. 2 threes=3+3=6

Activity

Count in threes

1. 4 threes = 3+3+3+3=_____
2. 3 threes=3+3+3=_____
3. 5 threes=3+3+3+3+3+3=_____
4. 6 threes=3+3+3+3+3+3=_____
5. 7 threes=3+3+3+3+3+3+3=_____
6. 2 threes= 3+3=_____
7. 9 threes=3+3+3+3+3+3+3+3+3=_____

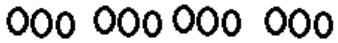
8. 10 threes=3+3+3+3+3+3+3+3+3+3=_____

More on counting in threes.

Examples

1. 3= 1 three=3

2. 3 + 3 = 2 threes=6



3. 3 + 3+ 3+ 3 =4 threes=12

4. 3+3+3+3+3= 5 threes =15

Activity

Count in threes

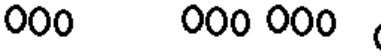
1. 3+3+3=_____threes=_____
2. 3+3+3+3+3+3=_____threes=_____
3. 3+3 =_____threes=_____
4. 3=_____threes=_____
5. 3+3+3+3+3+3+3=_____threes=_____
6. 3+3+3+3=-_____threes=_____
7. 3+3+3+3+3+3+3+3+3=_____threes=_____
8. 3+3+3+3+3+3+3+3+3+3=_____threes=_____

Adding and multiplying in threes

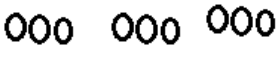
Examples

1. 3 = 1x3=3

2. 3 +3 = 2 x 3=6



3. 3 + 3 + 3+ 3= 4x3=12



4. 3 +3 +3 = 3x3=9

Activity

ooo ooo ooo ooo ooo

1. 3 + 3 +3 +3 +3 =5x3=_____
2. 3+3+3+3+3+3=6x3=_____
3. 3+3+3=3x3=_____
4. 3+3+3+3+3+3+3=7x3=_____
5. 3+3+3+3+3+3+3+3= 8x3=_____
6. 3+3+3+3+3+3+3+3+3+3=10x3=_____

Add and multiply more numbers

Examples

ooo ooo

1. 3 + 3 =2x3=6

ooo ooo ooo ooo

2. 3 + 3 + 3 + 3 = 4x3=12
3. 3 + 3 + 3=3x3=9
4. 3+3+3+3+3=5x3=15
5. 3 =1x3=3

Activity

Add and multiply numbers by threes

ooo ooo

1. 3 + 3= 2x3=6
2. 3+3+3 = _____x_____=_____
3. 3+3+3+3 =_____x_____=_____
4. 3+3+3+3+3=_____x_____=_____
5. 3+3+3+3+3+3=_____x_____=_____
6. 3+3+3+3+3+3+3=_____x_____=_____
7. 3+3+3+3+3+3+3+3=_____x_____=_____
8. 3+3+3+3+3+3+3+3+3=_____x_____=_____

Multiplying by three horizontally.

Examples

ooo ooo

1. 2 x 3 =6

ooo

2. 1 x 3 =3

ooo ooo ooo ooo ooo

3. 5 x 3 =15

ooo ooo ooo
ooo ooo ooo

4. 6 x 3 =18

Activity

Multiply the following by three

1. 3x2=_____ 2. 0x3=_____ 3. 10x3=_____ 4. 1x3=_____

5. 6x3=_____ 6. 5x3=_____ 7. 9x3=_____ 8. 11x3 9. 4x3=_____

10. 7x3=_____ 11. 8x3=_____

Multiplying by three vertically

Examples

1.
$$\begin{array}{r} 0 \\ \times\ 3 \\ \hline 0 \end{array}$$

2.
$$\begin{array}{r} 5 \\ \times\ 3 \\ \hline 15 \end{array}$$

3.
$$\begin{array}{r} 3 \\ \times\ 3 \\ \hline 9 \end{array}$$

4.
$$\begin{array}{r} 2 \\ \times\ 3 \\ \hline 6 \end{array}$$

5.
$$\begin{array}{r} 7 \\ \times\ 3 \\ \hline 21 \end{array}$$

Activity

Multiply the following by three.

1.
$$\begin{array}{r} 1 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

2.
$$\begin{array}{r} 3 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

3.
$$\begin{array}{r} 9 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

5.
$$\begin{array}{r} 2 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 8 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

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

6. 7. 8. 9. 10.

11.
$$\begin{array}{r} 5 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

Word problems involving multiplication

Examples

1. What is one times three?

   1x3=3

   ooo

2. 3 groups of 3 make? =9

   ooo ooo ooo

3. What is four multiplied by three?

   4x3=12

   ooo ooo ooo ooo

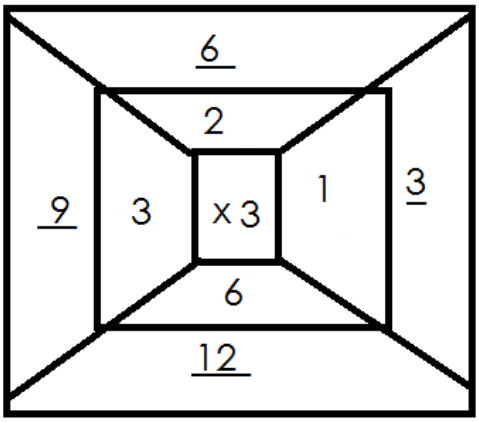
Activity

1. What is 2 times three?
2. What is four times three?
3. One chair has four legs. 3c chairs have_____legs?
4. 7 groups of threes=_____
5. Six multiplied by three=_____
6. What is ten multiplied by three=_____
7. One stool has 3 legs. 5 stools have_____legs.

Filling in tables of threes

Examples

Fill in the missing numbers

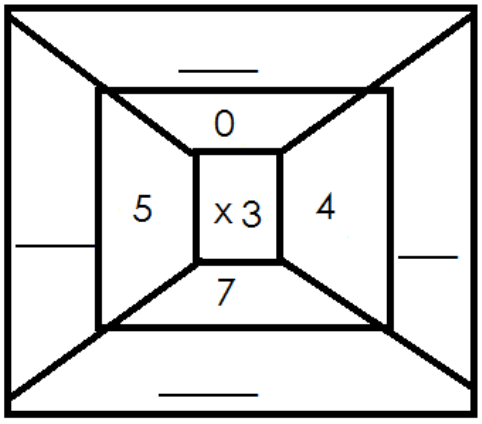


1x3=3
2x3=6
3x3=9
6x3=12

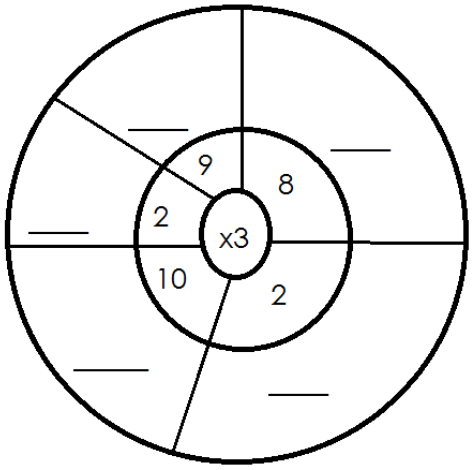
Activity

Fill in the missing numbers

1.



2.

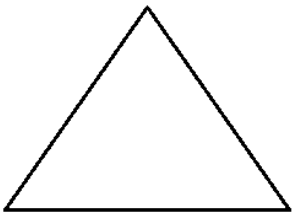


THEME

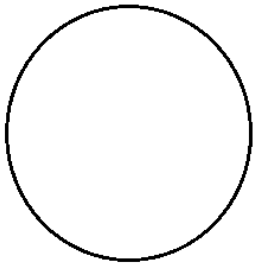
TOPIC: <u>FRACTIONS</u>

A fraction is part of a whole

Examples of wholes

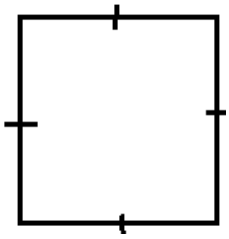


A whole triangle



A whole circle

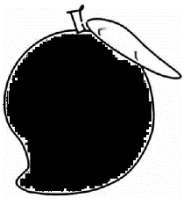
A whole pineapple



A whole square

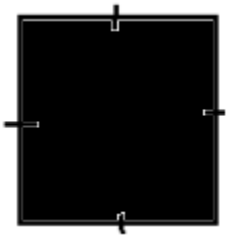
Activity

Name the wholes



_____

_____

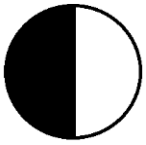


_____

_____

Reading fractions

Examples

1. 

$\frac{1}{2}$

The shaded part is <u>a half</u>

2. 

$\frac{1}{3}$ The shaded part is a third.

3. 

$\frac{1}{4}$

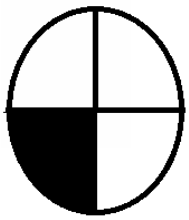
The shaded part is a quarter

Activity

1. **Fill in the missing letters**

A wh__le ha___f a th__rd qua__ter th___ ___d

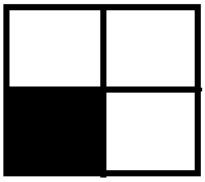
2. **Read the shaded fraction**



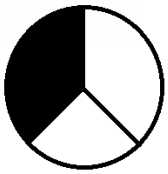
The shaded part is_____

The shaded part is_____

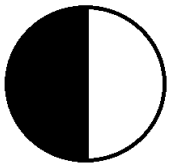
The shaded part is_____



The shaded part is_____



The shaded part is_____



The shaded part is_____

The shaded part is_____.

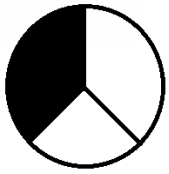
<u>WRITING FRACTIONS</u>

Examples

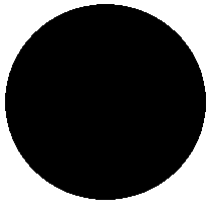
Write the shaded fractions

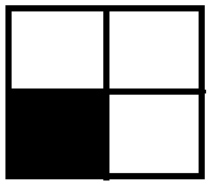
1. 

$\frac{1}{2}$

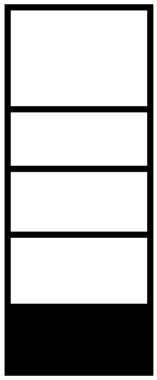


$\frac{1}{2}$

3. 

2. 

$\frac{1}{4}$

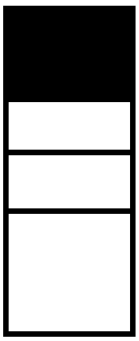
4. 

$\frac{1}{5}$

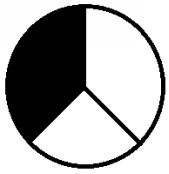
5.

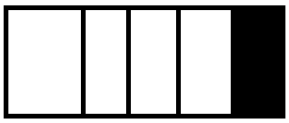
Activity

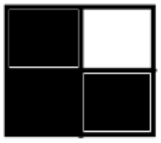
Write the shaded fractions

1.  _____

2.  _____

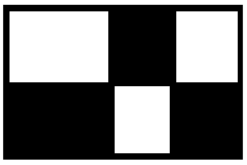
3.  _____

4.  _____

5.  _____

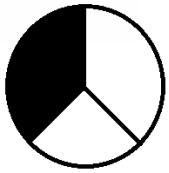
6.  _____

7.  _____

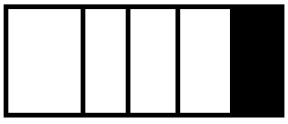
8. 

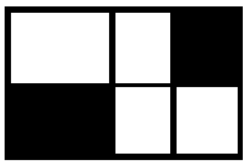
Writing the unshaded fraction

Examples

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

2.  $\frac{3}{4}$

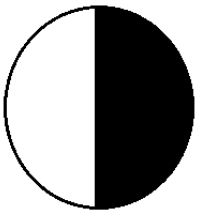
3.  $\frac{4}{5}$

4.  $\frac{4}{6}$

Activity

Write the unshaded fractions

1.  _____

2.  _____

3. _____ 4. _____

5.  _____ 6.  _____

Shading the given fraction

Examples

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

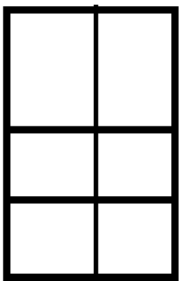
2.  $\frac{3}{6}$

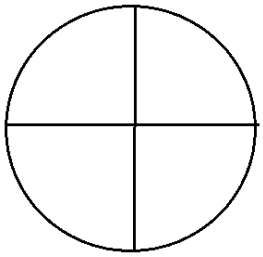
3.  $\frac{2}{3}$

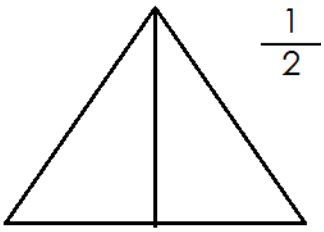
4.  $\frac{2}{7}$

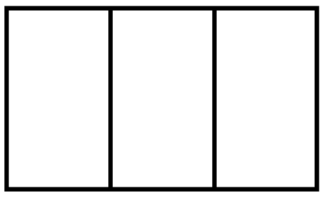
Activity

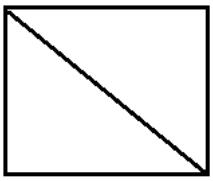
Shade the given fraction

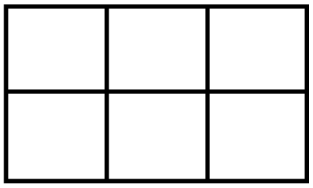
1.  $\frac{3}{8}$

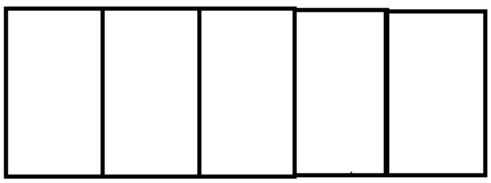
2.  $\frac{1}{4}$

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

4.  $\frac{2}{3}$

5.  $\frac{1}{2}$

6.  $\frac{4}{6}$

7.  $\frac{3}{5}$

Writing fractions in words

Examples

$\frac{1}{2}$a half a third $\frac{1}{3}$ a quarter $\frac{1}{4}$ a fifth $\frac{1}{5}$ a sixth $\frac{1}{6}$

A seventh $\frac{1}{7}$ an eighth $\frac{1}{8}$ a ninth $\frac{1}{9}$ a tenth $\frac{1}{10}$

Activity

1. Write the fractions in words

$\frac{1}{6}$_____ $\frac{1}{5}$_____ $\frac{1}{3}$_____ $\frac{1}{2}$_____ $\frac{1}{10}$_____

$\frac{1}{7}$_____ $\frac{1}{4}$_____ $\frac{1}{8}$_____ $\frac{1}{9}$_____

2. **Match fractions to their names**

$\frac{1}{2}$ a tenth

$\frac{1}{3}$ a fifth

$\frac{1}{4}$ a half

a quarter

$\frac{1}{5}$

$\frac{1}{10}$ a third

A half $\frac{1}{2}$ a quarter $\frac{1}{4}$

A tenth $\frac{1}{10}$ a ninth $\frac{1}{9}$

A sixth $\frac{1}{6}$ a third $\frac{1}{3}$

Activity

Write the figures

Quarter_____ a tenth_____ third_____

A half_____ a fifth_____ a tenth_____

A ninth_____ an eighth_____

ADDING FRACTIONS

Examples

1. $\frac{1}{3} + \frac{1}{3} = \frac{1+1}{3} = \frac{2}{3}$

2. $\frac{2}{5} + \frac{1}{5} = \frac{2+1}{5} = \frac{3}{5}$

3. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{1+1+1}{4} = \frac{3}{4}$

4. $\frac{2}{3} + \frac{1}{3} = \frac{2+1}{3} = \frac{3}{3}$

Activity

1. $\frac{1}{2} + \frac{1}{2} =$

2. $\frac{3}{6} + \frac{1}{6} =$

3. $\frac{4}{10} + \frac{2}{10} =$

4. $\frac{1}{6} + \frac{2}{6} =$

5. $\frac{1}{4} + \frac{1}{4} =$

6. $\frac{3}{10} + \frac{2}{10} + \frac{1}{10} =$

7. $\frac{1}{7} + \frac{2}{7} + \frac{1}{7} =$

8. $\frac{1}{9} + \frac{8}{9} =$

SUBTRACTION OF FRACTIONS

Examples

1. $\frac{1}{4} - \frac{1}{4} = \frac{4-1}{4} = \frac{3}{4}$

2. $\frac{2}{5} - \frac{1}{5} = \frac{2-1}{5} = \frac{1}{5}$

3. $\frac{9}{10} - \frac{5}{10} = \frac{9-5}{10} = \frac{4}{10}$

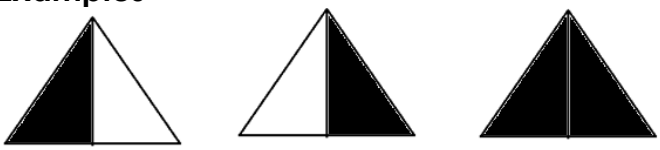
Activity

Subtract the following fractions

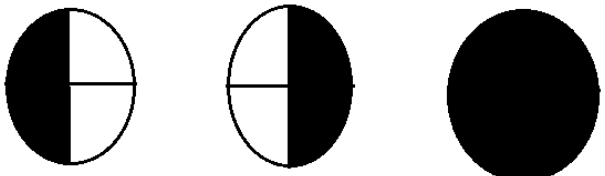
1. $\frac{5}{5} - \frac{3}{5} =$
2. $\frac{10}{10} - \frac{6}{10} =$
3. $\frac{2}{7} - \frac{1}{7} =$
4. $\frac{6}{6} - \frac{4}{6} =$
5. $\frac{7}{9} - \frac{3}{9} =$
6. $\frac{7}{9} - \frac{5}{7} =$
7. $\frac{4}{5} - \frac{1}{5} =$
8. $\frac{6}{8} - \frac{4}{8}$

Joining halves or quarters to get a whole

Examples



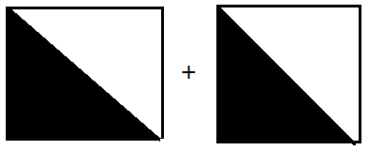
$\frac{1}{2}$ + $\frac{1}{2}$ = 1



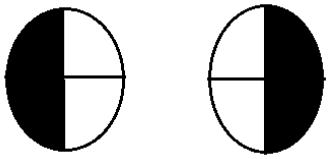
$\frac{2}{4}$ + $\frac{2}{4}$ = 1

Activity

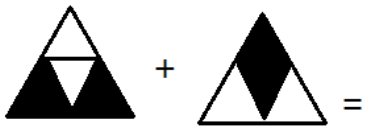
Join the following fractions

1. 

$\frac{1}{2}$ + $\frac{1}{2}$ =

2. 

$\frac{2}{4}$ + $\frac{2}{4}$ =

3. 

$\frac{2}{4}$ + $\frac{2}{4}$ =

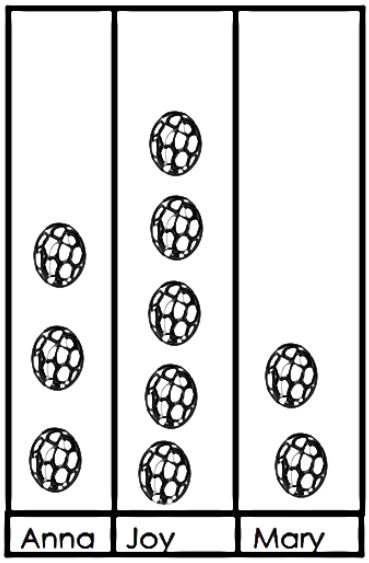
THEME

TOPIC: PICTOGRAPHS

Examples

Study the graph and answer the questions that follow.

A graph of balls



Questions

1. How many ball does joy have?

   Joy has 5 balls

2. Who has 3 balls?

   Anna has 3 balls.

3. How many balls do they have altogether?

   They have 10 balls altogether

4. Who has the most balls?

   Joy has the most balls.

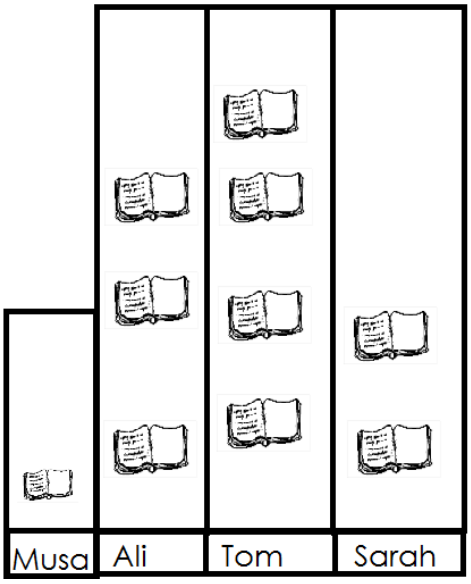
5. Who has the least balls?

   Mary has the least balls.

Activity

Study the graph and answer the questions.

The graph shows books picked by pupils.



Questions

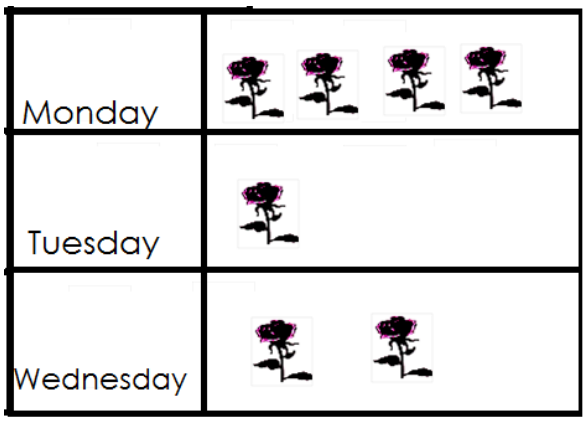
1. How many books does Ali have?
2. Who has 2 books?
3. How many books does Sarah have?
4. Who has more books?
5. How many books do they have altogether?
6. Who has the least books?

<u>MORE ON PICTURE GRAPHS</u>

Examples

Study the graph and answer questions.

A farmer planted trees on different days.



Questions

1. How many trees were planted on Tuesday?

   One tree was planted on Tuesday.

2. How many trees were planted altogether?

   _____

3. How many trees were planted on Wednesday?

   _____

4. On which day did the farmer plant the least number of trees?

   _____

5. On which day were most trees planted?

   _____

DRAWING PICTOGRAPHS

Five pupils picked mangoes.

Tina picked 4 mangoes

Timothy picked 7 mangoes.

John picked 2 mangoes.

Nadia picked 3 mangoes.

Oket picked 5 mangoes.

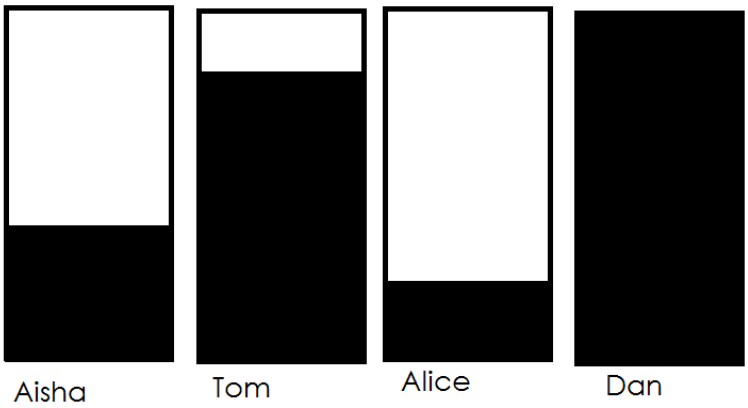
Draw the above pictures on the graphs

Tina	
Timothy	
John	
Nadia	
Oket	

BAR GRAPHS

Study the graph and answer the questions that follow.

Primary one collected books from the library.



Questions

1. Aisha collected_____books.
2. How many books did tom collect?
3. Who collected 1 book?
4. Who collected most books?
5. How many books did they collect altogether?

SHADING BARS FOR THE NUMBER

Example

Four girls picked flowers

Mary picked 2 flowers

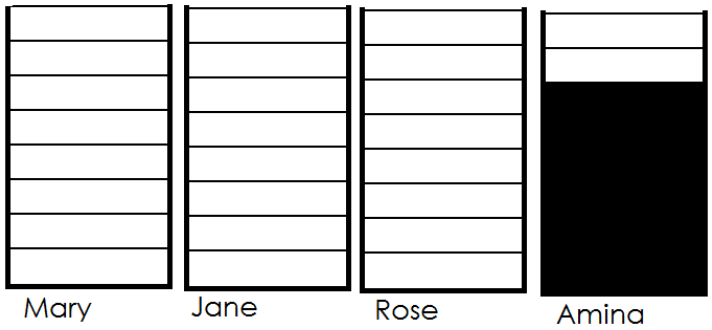
Jane picked 3 flowers

Rose picked 7 flowers

Amina picked 6 flowers

Activity

Shade the bars for the number of flowers



THEME:

TOPIC: <u>ORDERING</u>

<u>Ordering whole numbers</u>

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th

15th 16th 17th 18th 19th 20th

Activity

1. **Fill in the missing ordinals**

(a) 1st, _____, _____, 4th, 5h, 6th, _____

(b) _____, 14th, ____ 16th, ____, 18th, _____, 20th

2. **Match the same ordinals**

1st	16th
2nd	5th
3rd	1st
4th	10th
5th	3rd
16th	5th
10th	2nd

<u>Writing ordinalsin words</u>

1st-first 2nd-second 3rd-third 4th-fourth 5th-fifth 6th-sixth 7th-seventh

8th-eighth 9th-nineth 10th- tenth 11-eleventh 12th=twelfth 13th- thirteenth

14th- fourteenth 15th-fifteenth 16th-sixteenth 17th-seventeenth

19th-nineteenth 20th-twentieth

Activity

1. **Write the following ordinals in words**

2nd_____ 3rd-_____ 10th_____ 9th_____

5th_____ 17th_____ 1st_____ 12th_____

4th_____ 6th_____ 20th_____ 11th_____

Writing the figures

Examples

Fourth-4th thirteenth-13th eight-8th tenth-10th second-2nd third-3rd

Write the ordinals

First_____ ninth_____ fifth_____ twelfth_____

Second_____ tenth_____ sixth_____ eleventh_____

Twentieth_____ sixteenth_____

Ordering things using ordinals

Examples

Primary 1 is our first class

Primary 2 is our second class

Primary 3 is our third class

Primary 4 is our fourth class

Primary 5 is our fifth class.

Primary 6 is our sixth class

Primary 7 is our seventh class

Activity

Complete correctly

1. Primary 7 is our_____class

   Primary 5 is our _____class

   Primary 6 is our_____class

   Primary 4 is our _____class

   Primary 3 is our_____class.

   Primary 2 is our_____class

   Primary 1 is our_____class.

Giving positions using ordinal numbers

Examples

1. Juma was number 1 so he was the first
2. Kato was number 8, so he was the eighth.
3. Baba was number 10, so he was the tenth.

Activity

Complete the sentences correctly.

1. Opio was number 3, so he was the_____.
2. Sempa was number _____so he was the fourth.
3. Atwine was number 9, so he was the_____.
4. Namubiru was number_____, so she was the fifth.
5. Nankya was number_____so she was the tenth.
6. Were was number 2, he was the_____.

Days of the week

7 days make 1 week

1. Sunday
2. Monday
3. Tuesday
4. Wednesday
5. Thursday
6. Friday
7. Saturday

Activity

1. **Fill in the missing letters**

M__nd__y S__nday Fr__d__y Thu__sday T__ ___sday W__dnesday

S__turday

2. **Spell the words correctly**

dayMon_____ dayThur_____ dayTues_____

daySatur_____ daysWedn_____ dayFri_____

Fill in the missing days of the week.

(a) Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

(b) Wednesday, _____, _____Saturday.

(c) Tuesday, _____, Thursday, _____, _____

(d) _____Sunday, Monday, _____Wednesday.

(e) _____Monday_____ Wednesday, _____

Ordering days of the week

Examples

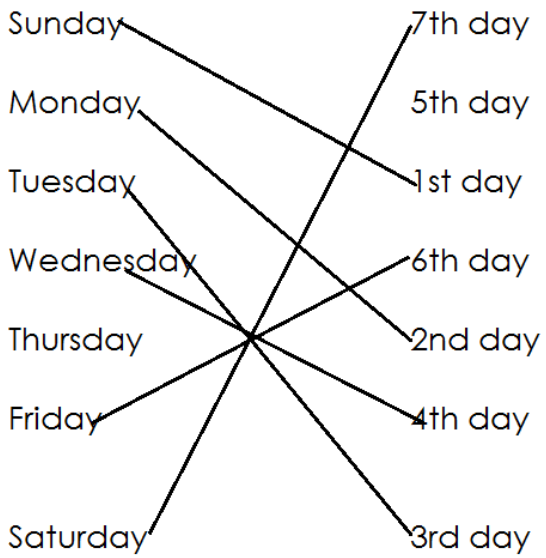
1. Sunday is day 1 so is the first day of the week.
2. Monday is day 2 so is the second day of the week.
3. Tuesday is day3 so is the third day of the week.

Activity

Complete correctly

1. Wednesday is day 4 so is the_____day of the week.
2. Thursday is day 5 so is the_____day of the week.
3. Friday is day 6 so is the _____day of the week.
4. Saturday is day 7 so is the _____day of the week.
5. The first day of the week is_____.
6. Saturday is the_____day of the week.

Matching days of the week to their positions



Activity

Match positions to days of the week

1st day	Thursday
2nd day	Wednesday
3rd day	Sunday
4th day	Tuesday

5th day Monday

6th day Friday

7th day Saturday

Months of the year

12 months make 1 year

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

Activity

Fill in the missing letters.

J___nu___ry Febr___ary ___pril O___tober J__ne jul___

M___rch N__vember M___y s__ptemb__r de__ __ mber

<u>Spelling months of the year correctly.</u>

Examples

ayM-May neJu-June rilAp- April berceDem-december

Activity

1. **Spell correctly**

archM-_____ nuaryJa_____ lyJu-_____ obercto-_____

gustAu-_____ ryaFebur_____ Mya_____ temberSe_____

2. How many months make a year? _____

Fill in the missing months of the year.

1. January February March, April, May, June.
2. April May_____ July_____ September.
3. February_____, April_____, June, _____
4. June, _____, august, _____October, _____

Ordering of the year

January 1st month July 7th month February-2nd month September-9th month March 3rd month October-10th April- 4th month may 5th month

November-11th month June 6th month December-12th month

Activity

1. **Match months to their positions**

January	4th
February	7th
March	10th
April	1st
May	5th
June	6th
July	12th
August	2nd
September	11th
October	3rd
November	8th
December	9th

Complete correctly

1. January is month number 1 so is the _____month of the year.
2. May is month number 5 so is the_____month of the year.
3. September is moth number_____ so is the ninth month of the year.
4. April is month number _____so is the fourth month of the year.
5. July is month number 7 so is the_____month of the year.

Days in the month of the year

January 31 days July 31 days February 28 days august 31 days

March 31 days September 30 days April 30 days October 31 days may 31 days November 30 days June 30 day December 31 days

Activity

1. How many days are in January? _____
2. May has _____days.
3. There are _____days in December.
4. How many days has June? _____
5. Write four months which have 31 days.
6. Which moth has 28/29 days?

THEME

TOPIC: <u>MONEY</u>

Money is a medium of exchange

<u>Identifying coins and paper money</u>

<u>Coins</u>

One hundred shilling coin sh. 100

Two hundred shilling coin sh. 200

Five hundredshilling coin sh. 500

One thousand shilling coin sh. 1000

Paper money (notes)

One thousand shilling note sh. 1,000.

Two thousand shilling note sh. 2,000.

Five thousand shilling note sh. 5,000.

Ten thousand shilling note sh. 10,000.

Twenty thousand shilling note sh. 20,000.

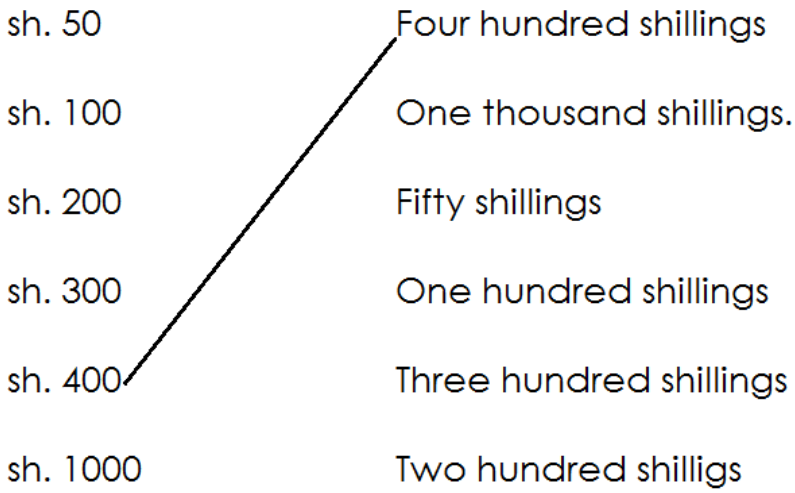
Fifty thousand shilling note sh. 50,000.

Identify features on coins and notes

COins	**Common feature**
Sh. 100	Bull/cow
Sh. 200	fish
Sh.500	Head of a crested crane
Sh. 1000	Crested crane
Notes	
Sh. 1000	kob
Sh. 2000	fish

Sh. 5,000	nest
Sh. 10,000	Banana plantation
Sh. 20,000	bull
Sh. 50,000	gorilla
Sh. 50	Head of a cow

Matching figures of money to words.



Balancing money

Examples

Sh. 50 coin+ sh. 50 coin= sh. 100 coin

Sh. 100 coin + sh. 100 coin= sh. 200 coin

Sh. 500 coin + sh. 500 coin = sh. 1000

Activity

1. sh. 100 coin + sh. 200 coin=_____coin
2. sh. 500 coin + sh. 500 coin=_____coin
3. h. 50 coin + sh. 50 coin + sh. 50 coin + sh. 50=_____
4. sh. 100 coin + sh. 50 coin + sh. 50 coin =_____coin.

Changing more money

Examples

1. sh. 100= sh. 50 + sh. 50 = 100
2. sh. 200= sh. 100 + sh. 100=200

Activity

1. sh. 100=sh____ + sh._____=_____
2. sh. 200=sh____ + sh._____=_____

3. sh. 500=sh____ + sh._____=_____

4. sh. 1000=sh____ + sh._____=_____

5. sh. 500=sh____ + sh._____=_____

6. sh. 500=sh____ + sh._____=_____

Addition of money

Examples

$$\begin{array}{r} \text{sh. } 20 \\ +\ \text{sh. } 10 \\ \hline \text{sh. } 30 \end{array} \qquad \begin{array}{r} \text{sh. } 30 \\ +\ \text{sh. } 40 \\ \hline \text{sh. } 70 \end{array} \qquad \begin{array}{r} \text{sh. } 100 \\ +\ \text{sh. } 100 \\ \hline \text{sh. } 200 \end{array}$$

Add shillings

1. $\begin{array}{r} \text{sh. } 40 \\ +\ \text{sh. } 10 \\ \hline \text{sh.} \end{array}$

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

3. $\begin{array}{r} \text{sh. } 50 \\ +\ \text{sh. } 50 \\ \hline \text{sh.} \end{array}$

4. $\begin{array}{r} \text{sh. } 200 \\ \text{sh. } 100 \\ +\ \text{sh. } 100 \\ \hline \text{sh.} \end{array}$

5. $\begin{array}{r} \text{sh. } 50 \\ \text{sh. } 50 \\ +\ \text{sh. } 50 \\ \hline \text{sh.} \end{array}$

6. $\begin{array}{r} \text{sh. } 70 \\ +\ \text{sh. } 30 \\ \hline \text{sh.} \end{array}$

Adding money horizontally

Examples

1. sh. 100 + sh. 100 = sh. 200

2. sh. 200 + sh. 200 + sh. 100 = 500

3. sh. 50 + sh. 50 = sh. 100

Activity

Add shillings

1. sh. 100 + sh. 100=_____

2. sh. 200 + sh. 200=_____

3. sh. 500 + sh. 200=_____

4. sh. 300 + sh. 100=_____

5. sh. 100 + sh. 200=_____

Addition of money in word problems

Examples

1. sh. 200 plus sh. 100 equals sh. 300
2. Tom has sh. 100, molly has sh. 200. How much money do they have altogether?

$$\begin{array}{r} \text{sh. } 200 \\ +\ \text{sh. } 100 \\ \hline \text{sh. } 300 \\ \hline \end{array}$$

They have sh. 300 altogether.

Activity

1. Jane had sh. 200. Peter has sh. 300. How much money do they have altogether?
2. There are sh. 400 in the tin and sh. 200 in the box. How much money is there altogether?
3. Dora picked sh. 500 her father gave more sh. 300. How much money does she have altogether?

SUBTRACTION OF MONEY

Examples

1. $\begin{array}{r} \text{sh. } 30 \\ -\ \text{sh. } 10 \\ \hline \text{sh. } 20 \\ \hline \end{array}$

2. $\begin{array}{r} \text{sh. } 50 \\ -\ \text{sh. } 30 \\ \hline \text{sh. } 20 \\ \hline \end{array}$

3. $\begin{array}{r} \text{sh. } 800 \\ -\ \text{sh. } 400 \\ \hline \text{sh. } 400 \\ \hline \end{array}$

Activity

Subtract shillings

1. $\begin{array}{r} \text{sh. } 40 \\ -\ \text{sh. } 10 \\ \hline \end{array}$

2. $\begin{array}{r} \text{sh. } 60 \\ -\ \text{sh. } 40 \\ \hline \end{array}$

3. $\begin{array}{r} \text{sh. } 30 \\ -\ \text{sh. } 20 \\ \hline \end{array}$

4. $\begin{array}{r} \text{sh. } 400 \\ -\ \text{sh. } 100 \\ \hline \end{array}$

5. $\begin{array}{r} \text{sh. } 300 \\ -\ \text{sh. } 100 \\ \hline \end{array}$

6. $\begin{array}{r} \text{sh. } 700 \\ -\ \text{sh. } 300 \\ \hline \end{array}$

Subtracting money horizontally

Examples

1. sh. 200 – sh. 100= sh. 100
2. sh. 600 – sh. 300= sh. 300
3. sh. 50 – sh. 20 = sh. 30

Activity

1. sh. 400 – sh. 200=_____
2. sh. 300 – sh. 100=_____
3. sh. 80 – sh. 50=_____
4. sh. 700 – sh. 400=_____
5. sh. 50 – sh. 100=_____

Subtracting money in word problems

Examples

1. You have sh. 500, you spend sh. 100. How much is left?

```
  sh. 500
- sh. 100
---------

  sh. 400
---------
```

2. sh. 200 take away sh.100 equals sh. 100.
3. sh. 400 minus sh. 200 make sh. 200.
4. Suzan had sh. 700. She spent sh. 200.

   How much money was left?

```
  sh. 700
- sh. 200
---------

  sh. 500
---------
```

Activity

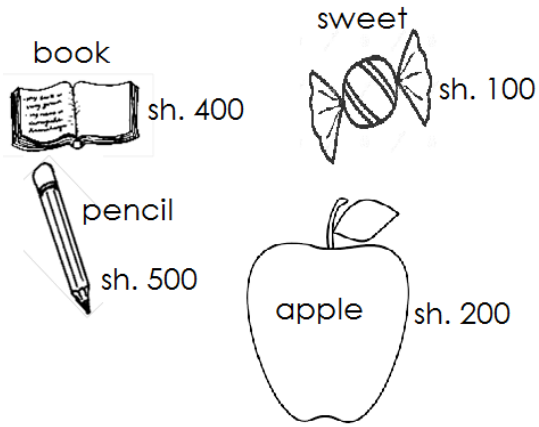
Read and subtract money.

1. You had sh. 500, you spend sh. 400. How much money is left?
2. John has sh. 500, he spent sh. 100. How much money was left?
3. Eva had sh. 700, she spent sh. 300. How much money did she remain with?

SHOPPING

Example

Study the shop and answer the questions.



Questions

1. How many items are in the shop?

   4 items

2. What is the cost of an apple?

   _____

3. How much do we pay for a book?

   _____

4. What is the cost of 2 sweets?

   _____

5. Which item costa sh. 500?

   _____

SHOPPING LIST

Study the shopping list and answer

items	**cost**
1. ball	Sh. 700
2. banana	Sh. 300
3. cup	Sh. 500
4. orange	Sh. 400
5. sweet	Sh. 100

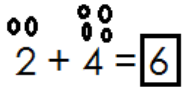
Questions

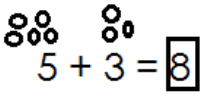
1. How much is a ball?
2. What is the cost of a sweet and an orange?
3. What is the cost of a book?
4. Write the rice of a banana.
5. Write the most expensive item.
6. How much do you pay for a banana and a cup?

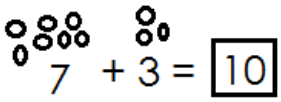
SIMPLE OPERATIONS IN ALGEBRA

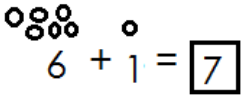
ADDING NUMBERS

Examples

1. 

2. 

3. 

4. 

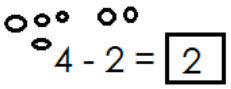
Activity

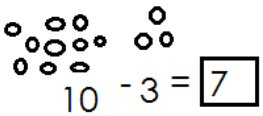
Add and find the missing numbers

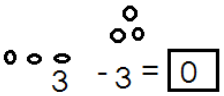
1. 3 +3 = ☐
2. 6 +4 = ☐
3. 5 +1 = ☐
4. 2 +4 = ☐
5. 10 +0 = ☐
6. 2 +2 = ☐
7. 1 +8 = ☐
8. 10+4 = ☐
9. 3 +2 = ☐
10. 1 +5 = ☐

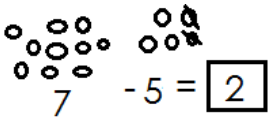
SUBTRACTING NUMBERS

Examples

1. 

2. 

3. 

4. 

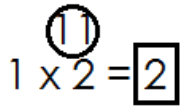
Activity

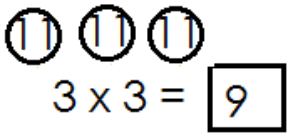
Subtraction these number

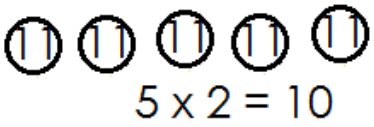
1. 7 - 3 = ☐
2. 4 - 1 = ☐
3. 10 - 8 = ☐
4. 6 - 8 = ☐
5. 9 - 8 = ☐
6. 9 - 4 = ☐
7. 11 - 3 = ☐
8. 5 - 5 = ☐
9. 3 - 1 = ☐
10. 4 - 3 = ☐

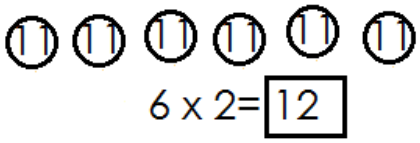
MULTIPLYING NUMBERS

Examples









Activity

Multiplying the following numbers

1. 6 x 3 = ☐
2. 1 x 5 = ☐
3. 3 x 2 = ☐
4. 4 x 2 = ☐
5. 6 x 2 = ☐
6. 7 x 3 = ☐
7. 8 x 2 = ☐
8. 10 x 2 = ☐
9. 2 x 2 = ☐
10. 1 x 3 = ☐

FINDING MISSING NUMBERS

FINDING MISSING NUMBERS IN ADDITION

Examples

1. 3 + 2 = 5
2. 1 + 7 = 8
3. 1 + 5 = 6
4. 6 + 3 = 9

Activity

Find the missing number

1. $\square + \boxed{3} = 6$
2. $\square + \boxed{1} = 7$
3. $\square + \boxed{2} = 4$
4. $\square + \boxed{7} = 10$
5. $\square + \boxed{3} = 3$
6. $\square + \boxed{2} = 3$
7. $\square + \boxed{10} = 12$
8. $\square + \boxed{4} = 8$
9. $\square + \boxed{6} = 9$
10. $\square + \boxed{2} = 9$

MORE ON FINDING MISSING NUMBERS

Examples

1. $2 + \boxed{3} = 5$
2. $5 + \boxed{3} = 8$
3. $6 + \boxed{0} = 6$
4. $3 + \boxed{7} = 10$

Activity

Find the missing numbers.

1. $7 + \square = 9$
2. $6 + \square = 10$
3. $5 + \square = 8$
4. $3 + \square = 4$
5. $6 + \square = 8$
6. $2 + \square = 6$
7. $1 + \square = 3$
8. $5 + \square = 10$
9. $3 + \square = 3$
10. $9 + \square = 12$

WORD PROBLEMS INVOLVING FINDING MISSING NUMBERS IN ADDITION.

Examples

1. $\boxed{2}$ plus 3 equals 5
2. 4 plus $\boxed{3}$ equals 7
3. Ten plus $\boxed{\text{zero}}$ gives ten.

Activity

1. ☐ plus two gives six.
2. Four plus ☐ equals eight
3. ☐ plus six equals seven.
4. Nine plus ☐ make twelve.
5. ☐ plus 2 equals 4.

FINDING MISSING NUMBERS IN SUBTRACTION

Examples

1. $2 - \boxed{1} = 1$
2. $9 - \boxed{6} = 3$
3. $8 - \boxed{3} = 5$
4. $6 - \boxed{2} = 4$

Activity

Find the missing number

1. $3 - \square = 2$
2. $5 - \square = 3$
3. $10 - \square = 7$
4. $9 - \square = 2$
5. $12 - \square = 8$
6. $2 - \square = 1$
7. $5 - \square = 0$
8. $7 - \square = 3$
9. $8 - \square = 6$
10. $11 - \square = 5$

More on finding missing numbers in subtraction

Examples

1. $\boxed{5} - 4 = 1$
2. $\boxed{7} - 7 = 0$
3. $\boxed{9} - 2 = 7$
4. $\boxed{10} - 4 = 6$

Activity

1. $\boxed{3} - 1 = 3$
2. $\square - 7 = 2$
3. $\square - 5 = 1$
4. $\square - 3 = 7$
5. $\square - 4 = 6$
6. $\square - 4 = 4$
7. $\square - 5 = 5$

9.

8. ☐ - 0 = 5

7. ☐ - 3 = 1

10. ☐ - 8 = 2

Word problems involving finding missing numbers in subtraction.

Examples

1. ☐ take away 3 make 2

2. ☐ minus one gives four

☐ - 1 =4

3. Three take away ☐ equals one

3 - ☐ = 1

4. ☐ one equals four.

5. tem minus ☐ make three.

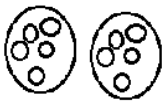
6. ☐ subtract one equals two.

7. nine take away ☐ gives four.

FINDING MISSING NUMBERS IN MULTIPLICATION

Examples

1. 2 x ☐ = 4 

2. 5 x 2 =15 

3. . ☐ x 3= 9 

Telling different time of the day

Morning

Evening

Mid-day (noon)

Mid-night

Night

Afternoon

Activity

Complete correctly

1. We go to school in the_____.
2. We have lunch in the_____.
3. We go home after in the school_____.
4. A day begins in the _____.
5. We have our breakfast in the_____.
6. in the _____we wake up.
7. At_____we go to sleep.

Things used to tell time

Clock face

The sun

Watch

Mobile phone

Computers

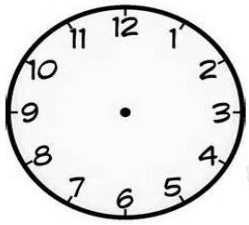
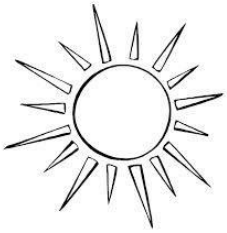
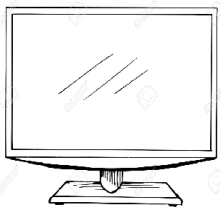
The shadow

The cock

Radios

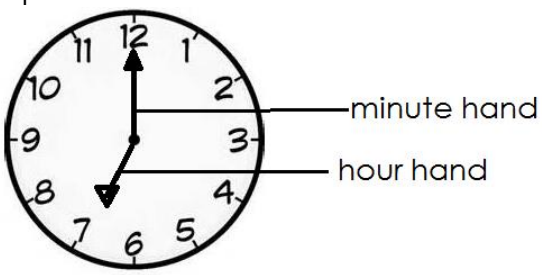
Activity

Draw these things which tell time

Clock face	The sun	watch
		
television	radio	Mobile phone
		

Drawing and showing hands on the clock face

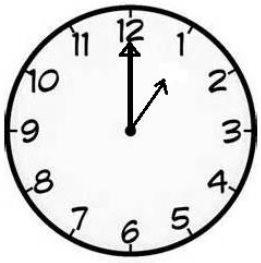
Example



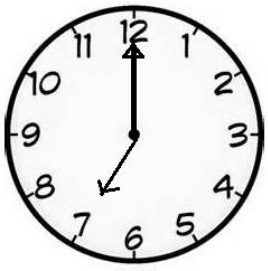
60 minutes make 1 hour

<u>TELLING TIME SHOWN ON THE CLOCK FACE</u>

Examples



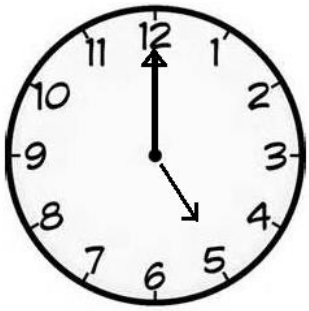
It is 1 o' clock



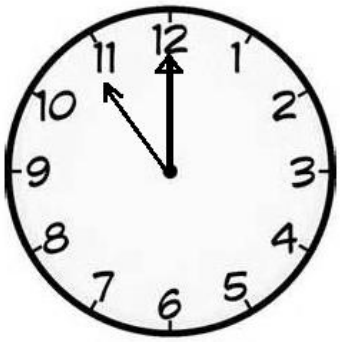
it is 7 o'clock.

Activity

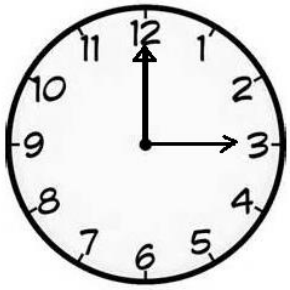
Tell the time shown

1. 

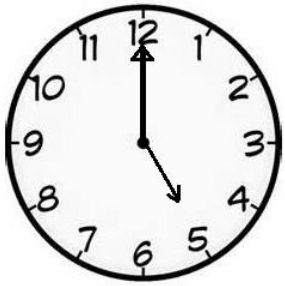
It is _____ o'clock.

2. 

It is _____o'clock

3. 

It is_____o'clock

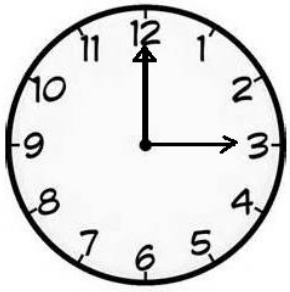
4. 

it is_____o'clock

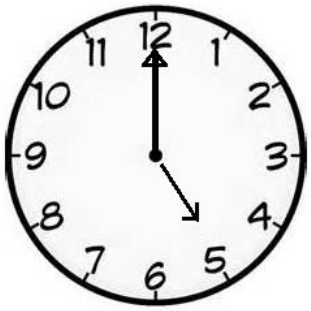
Showing time on the clock face

Examples

3 o'clock



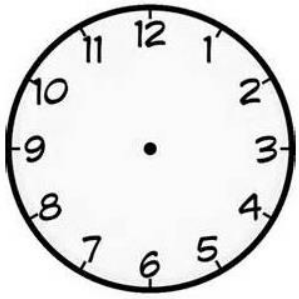
5 o'clock



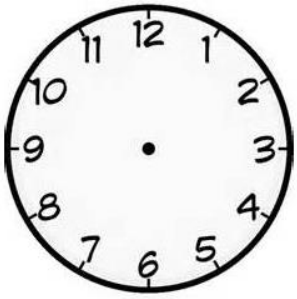
Activity

Show the given time on the clock face

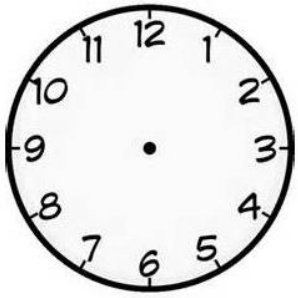
1. 1 o'clock



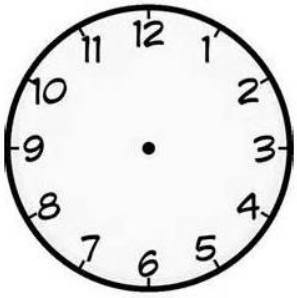
2. 8 o'clock



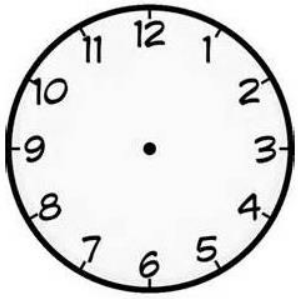
3. 2 o'clock



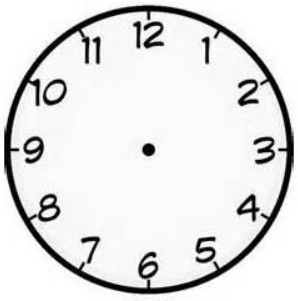
4. 11 o'clock



5. 6 o'clock



6. 9 o'clock



ADDING HOURS

Examples

1. 3 hrs + 2 hours= 5 hours
2. 6 hours + 1 hour = 7 hours
3. 4 hours + 6 hours = 10 hours.
4.
$$\begin{array}{r} 2 \text{ hours} \\ +\ 2 \text{ hours} \\ \hline 4 \text{ hours} \end{array}$$

Activity

Add hours

1. 3 hours + hour= _____
2. 7 hours + 2 hours=_____
3. 4 hours + 4 hours=_____
4. 1 hour + 1 hour=_____
5.
$$\begin{array}{r} 5 \text{ hours} \\ +\ 2 \text{ hours} \\ \hline \\ \hline \end{array}$$

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

SUBTRACTING HOURS

Examples

1. 8 hours – 3 hours= 5 hours
2. 7 hours – 4 hours= 3 hours
3. 5 hours – 3 hours = 2 hours
4.
$$\begin{array}{r} 9 \text{ hours} \\ +\ 7 \text{ hours} \\ \hline 2 \text{ hours} \end{array}$$

MEASURING LENGTH

Length is how long or short something is.

Parts of the body we use to measure length.

Stride palm fathom cubit foot

Arm's length hand span

Objects used to measure length

Sticks string

Ropes banana fibres

Threads

Standard things used to measure length

Ruler tape measure

Activity

Teacher should help and guide learners to measure the length practically.

Ie

(i) **Measure the length of the following objects.**

Blackboard tables sticks charts strings chairs

Classroom benches charts

2. How many palms is your desk?

_____

3. How many rulers is your classroom blackboard

_____

4. How many strides is your compound?

_____

Activity 2

1. Name three parts of the body are used to measure length.

_____ _____ _____

2. Mention two local objects used to measurelength.

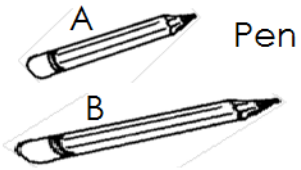
_____ _____

3. Give 2 standard things we use to measure length.

_____ _____

Comparing length using longer or shorter.

Examples



1. PencilA is shorter than pencil B.
2. Pencil B is longer than pencil A
3. Which pencil is longer?

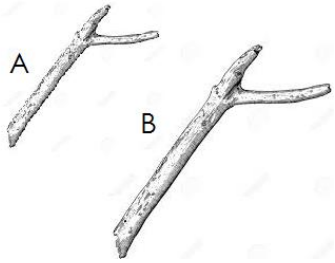
Pencil B is longer.

4. Which pencil is shorter?

Pencil A is shorter.

Activity

1. Compare using longer or shorter.



(a) Stick A is _____ than stick B.

(b) Stick B is_____ than stick A.

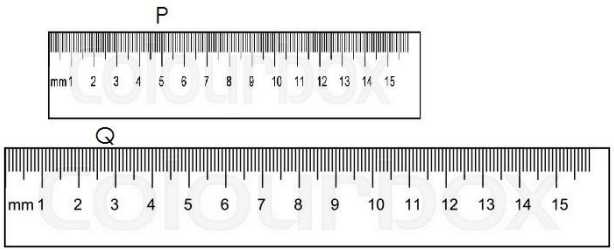
(c) Which stick is longer?

_____

(d) Which stick is shorter?

_____

2. Compare using longer or shorter.



(a) Stick P is _____than ruler Q.

(b) Ruler Q is _____ than ruler P.

(c) Which ruler is longer?

_____

(d) Which is ruler is shorter?

_____

Comparing height using shorter or taller.

Examples

Compare using taller or shorter

(a) Bottle G is taller than bottle F.

(b) Bottle F is shorter than bottle G

(c) Which bottle is taller?

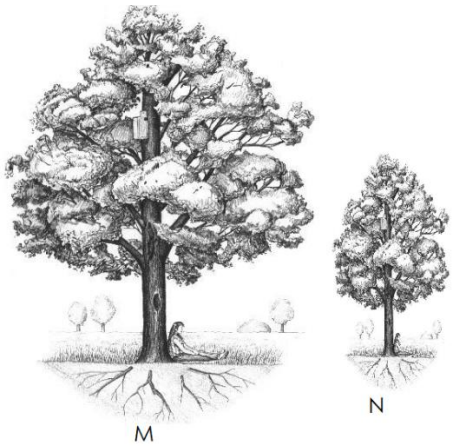
Bottle G is taller.

(d) Which bottle is shorter?

Bottle F is shorter

Activity

1. Compare using taller or shorter



(a) Tree M is _____than tree N.

(b) Tree N is_____than tree M.

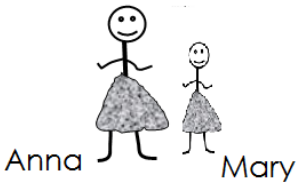
(c) Which tree is taller?

_____

(d) Which tree is shorter?

_____

2. **Compare using taller or shorter.**



(a) Anna is_____than Mary.

(b) Mary is _____than Anna.

(c) Who is shorter?

_____

(d) Who is taller?

_____

Addition of metres

Examples

1. 3 metres + 1 metre = 4 metres

2. 6 metres + 2 metres= 8 metres

3.
$$\begin{array}{r} 4 \text{ metres} \\ +\ 4 \text{ metres} \\ \hline 8 \text{ metres} \end{array}$$

4.
$$\begin{array}{r} 3 \text{ metres} \\ +\ 2 \text{ metres} \\ \hline 5 \text{ metres} \end{array}$$

Activity

1. 6 metres + 3 metres=
2. 7 metres + 1 metres=
3. 1 metres + 2 metres=
4. 5 metres + 5 metres=
5.
$$\begin{array}{r} 1 \text{ metre} \\ +\ 2 \text{ metres} \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15\text{m} \\ +\ 23\text{m} \\ \hline \\ \hline \end{array}$$

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

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

<u>WORD PROBLEMS IN ADDITION OF METRES</u>

Examples

1. John moved 2 metres. Sarah moved 4 metres

   They both moved 6 metres.

Activity

1. Tony moved 7 metre. Norah moved 3 metres.

   They both moved _____metres
2. 4 metres plus 6 metres equals_____.
3. Alex had 8 metres of white cloth and 6 metres of blue cloth. How many metre of cloth did he have altogether?

   _____
4. Wasswa walked 3 metres. Kato walked 5 metres. How many metres did they walk altogether?

   _____

<u>SUBTRACTION OF METRES</u>

Examples

1. 7 metre – 2 metres= 5 metres
2. 10 metres – 8 metres = 2 metres
3. 4 metres – 1 metre = 3 metres
4.
$$\begin{array}{rr} 5 & 3 \text{ metres} \\ -\ 2 & 1 \text{ metres} \\ \hline 3 & 2 \text{ metres} \\ \hline \end{array}$$

Activity

Subtract metres

1. 5 metres – 1 metres=
2. 9 metres – 6 metres=
3. 7 metres – 4 metres=
4. 8 metres
   - 3 metres
   ---
5. 6 2 m
   - 4 1 m
   ---
6. 6m takeaway 2 m equals_____.

Word problem involving subtraction of metres

Examples

1. 10 metres takeaway 3 metres make 7 metres.
2. 5m minus 4m equals 1 metres.

Activity

1. Tom had 6 metres of red cloth. He sold 2 metres to his mother. How many metres did he remain with?

   _____

2. Mother had 13 metres of cloth and she gave away 8 metres. How many metres remained?

   _____

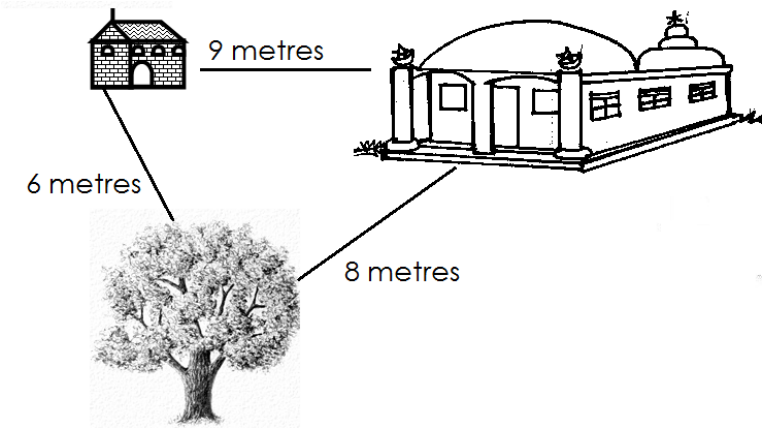
3. The school tailor had 12 metres of cloth. He cut off 7 metres to make uniform. How many metre of cloth were left?

   _____

4. 7 metres takeaway 6 metres equals_____

MORE ON LENGTH (DISTANCE)

Study the diagram below and answer the questions that follow,



Questions

1. What is the distance between the church and the tree?

   6 metres

2. How far is it from the hut to the church?

   9 metres

3. What is the distance from the tree to the church?

   _____

4. What is the longest distance?

   _____

5. What is the shortest distance?

   _____

6. Find the total distance from the church to the hurt up to the tree.

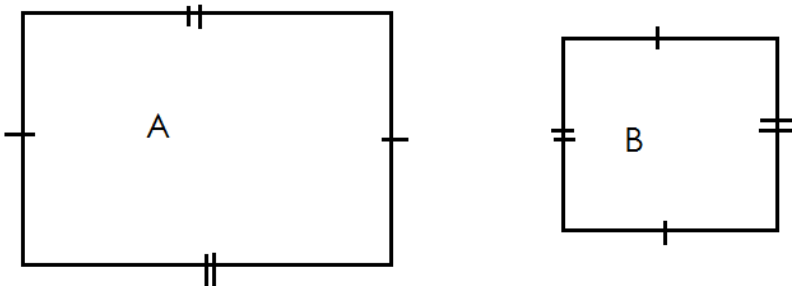
   _____

AREA

Comparing sizes of different of objects

Examples

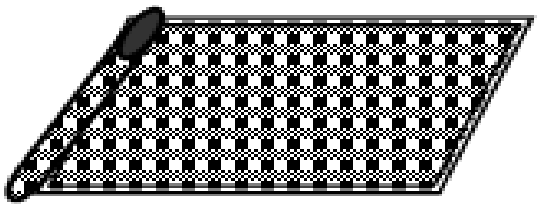
Compare using bigger/ smaller



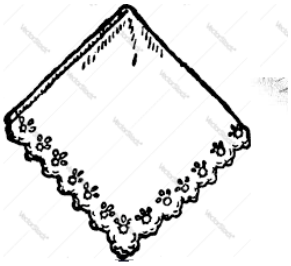
1. Rectangle A covers a bigger space than rectangle B
2. Rectangle B covers a smaller space than rectangle A.

Activity

1. Compare using bigger/ smaller



mat

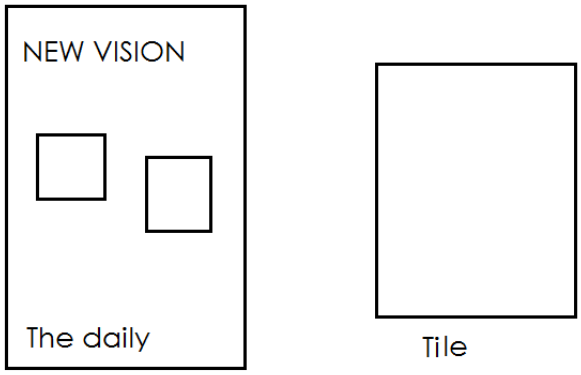


handkerchief

(a) A mat covers a _____ space than a handkerchief.

(b) A handkerchief covers a_____space than a mat.

2.



News paper

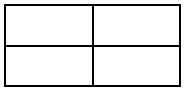
Tile

(a) Anewspaper covers a _____space than a tile.

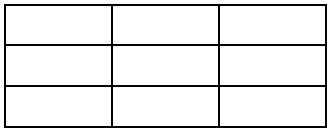
(b) A tile covers a _____than a newspaper.

COUNTING NUMBER OF SQUARES

Examples



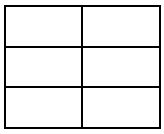
1. = 4 squares



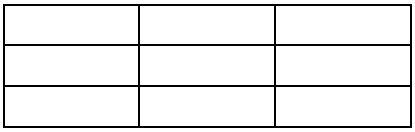
2. = 9 squares

Activity

Count the number of squares

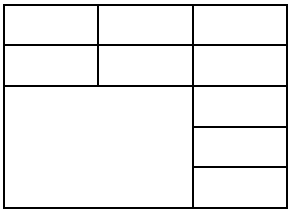


1. = _____squares



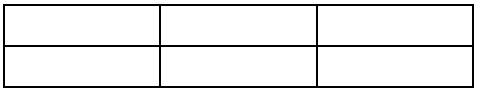
2.

3.



=_____

4.



CAPACITY

Capacity is the amount of liquids in a container.

Examples of liquids

Water paraffin juice petrol cooking oil syrup milk deasel soda Alcohol honey

Things used to measure liquid

Cups jerry cans jugs glass tanks kettle basins
bucket pots saucepan bottles

Activity

1. Measuring liquids using containers. Teacher should help and guide learners to measure liquid using different containers.

Activity 2

1. Give four liquids we measure.

_____ _____

_____ _____

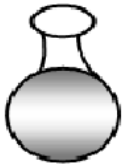
2. Mention two things we use to measure liquids.

_____ _____

COMPARING CONTAINERS USING MORE OR LESS

Examples

1. **Compare using more / less**

(a) A cup holds less water than a pot.

(b) A pot holds more water than a cup.

(c) Which container holds less water?

_____

(d) Which container holds more water?

_____

Activity

1. Compare using more a less


(a) A cup holds _____ milk than a jug.

(b) A jug holds _____milk than a cup.

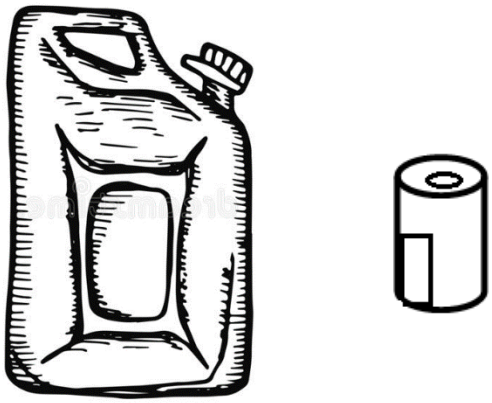
(c) Which container holds more milk?

_____

(d) Which container holds less milk?

_____

2. Compare use less/more.



(a) Ajerry holds_____water than a tin.

(b) A tin holds _____water than a jerry can.

(c) Which container holds more water?

_____

(d) Which container holds less water?

_____

Addition of litres

Examples

1. 2 litres + 1 litre = 3 litres

2. 5 litres + 5 litres = 10 litres.

3.
$$\begin{array}{rr} 3 & 6 \text{ litres} \\ + \ 2 & 3 \text{ litres} \\ \hline 5 & 9 \text{ litres} \end{array}$$

4.
$$\begin{array}{rr} & 5 \text{ litres} \\ + & 8 \text{ litres} \\ \hline & 13 \text{ litres} \end{array}$$

Activity

1. 4 litres + 3 litres = _____ litres

2. 3 litres + 2 litres = _____litres

3. 1 litre + 1 litres= _____litres

4. 8 litres + 2 litres= _____litres

5. 6 litres + 2 litres = _____

6. 7 litres + 3 litres = _____

Read and add correctly

1. 2 litres plus 2 litres equals _____litres.
2. 4 litres and 7 litres make_____litres.
3. Mary has 9 litres. Tom has 4 litres. They both have_____ litres.
4. A girl has 3 liitres of paraffin, a bag has 7 litre of paraffin.

   How many litres do they have altogether?

SUBTRACTION OF LITRES

Examples

1. 4 litres – 2 litres = 2 litres
2. 9 litres – 1 litres = 8 litres.
3. 5 litres − 3 litres = 2 litres

   4 2litres − 2 1 litres = 2 1 litres

Activity

Subtract litres

1. 2 litres – 1 litres make____ litre.
2. 8 litres – 7 litres =_____litre.
3. 4 litres – 1 litre =_____litres.
4. 3 6 litres − 1 3 litres = _____

6. 8 litres − 7 litres = _____

READ AND SUBTRACT LITRES

Examples

1. 10 litres takeaway 6 litres equals

   _____

2. 14 litres minus 5 litres we get?

   _____

3. A boy had 8 litres of milk. He sold 6 litres to his friends. How many litres did he remain with?

   _____

4. Juma had 10 litres of paraffin. He gave away 3 litres to Namuli. How many litres remained?

   _____

WEIGHT

Weight is how heavy or light something is.

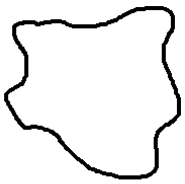
Things we weight

Maize flour sugar meat beans salt rice cassava flour wheat flour maize

Comparing weight using heavier or light

Examples

Compare using heavier/ lighter.



stone

cup

1. A stone is heavier than a cup.
2. A cup is lighter than a stone.
3. Which is heavier?

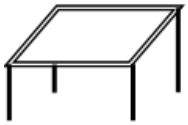
   A stone is heavier.

4. Which is lighter?

   A cup is lighter.

Activity

1. **Compare using heavier/ lighter**



(a) A pencil is _____than a table.

(b) A table is_____ a pencil.

(c) Which is lighter?

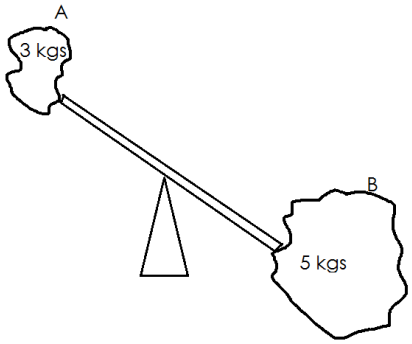
_____

(d) Which is heavier?

_____

2. **Compare heavier/ lighter**

Study the sea-saw



(a) Which is heavier?

_____

(b) Which is lighter?

_____

(c) Which store measures 3 kg?

_____

(d) Which stone measures 5 kg?

_____

Addition of weight

Examples

1. 1 kg + 2 kg = 3kg
2. 4kg + 3 kg =7 kg
3. $\begin{array}{r} 10\ kg \\ +\ 24\ kg \\ \hline 34\ kg \end{array}$
4. $\begin{array}{r} 3\ kg \\ +\ 1\ kg \\ \hline 4\ kg \end{array}$

Activity

1. 1kg + 4 kg=_____kg
2. 3kg + 7 kg=_____kg
3. 5kg +3 kg=_____kg
4. $\begin{array}{r} 2\ \text{kg} \\ +\ 2\ \text{kg} \\ \hline \end{array}$
5. $\begin{array}{r} 9\ \text{kg} \\ +\ 3\ \text{kg} \\ \hline \end{array}$
6. $\begin{array}{r} 1\ \text{kg} \\ +\ 4\ \text{kg} \\ \hline \end{array}$
7. 10 kg plus 4 kg equals_____
8. Dan bought 2 kg of sugar and 3 kg of rice. How many kgs did he buy altogether?

_____

SUBTRACTION OF WEIGHT

Examples

1. 8 kg – 3kg =5 kg
2. 12 kg -9kg = 3 kg

$\begin{array}{r} 5\ \text{kg} \\ -\ 4\ \text{kg} \\ \hline 1\ \text{kg} \end{array}$ $\begin{array}{r} 35\ \text{kg} \\ -\ 14\ \text{kg} \\ \hline 21\ \text{kg} \end{array}$ $\begin{array}{r} 9\ \text{kg} \\ -\ 7\ \text{kg} \\ \hline 2\ \text{kg} \end{array}$

Activity

Subtract kilograms

1. 7 kg - 6 kg=_____kg
2. 8 kg – 4 kg=_____kg
3. 4 kg – 1 kg=_____kg
4. 10 kg – 3 kg =_____kg
5. $\begin{array}{r} 58\ \text{kg} \\ -\ 23\ \text{kg} \\ \hline \end{array}$
6. $\begin{array}{r} 9\ \text{kg} \\ -\ 4\ \text{kg} \\ \hline \end{array}$
7. $\begin{array}{r} 28\ \text{kg} \\ -\ 13\ \text{kg} \\ \hline \text{kg} \end{array}$
8. Dan had 12 kg of sugar, he gave away 4 kg to his neighbour. How many kg were left?

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9. 13 kg takeaway 4 kg make_____.
10. A shop keeper had 25 kilogram of maize flour and sold 13 kg of it. How many kg remained?

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