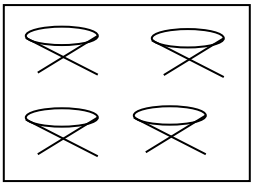
P.2 MATHEMATICS LESSON NOTES

THEME: **SETS**

SUB-THEME: **SET CONCEPTS**

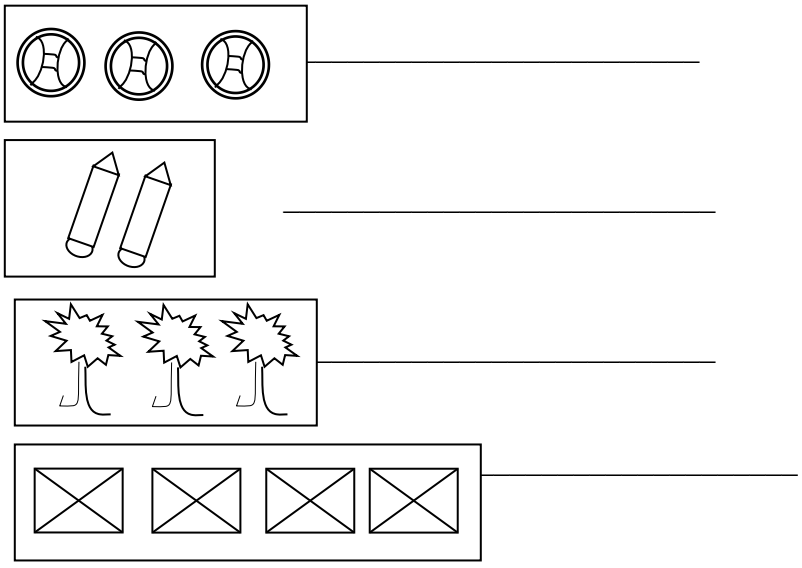
A set is a collection of things/objects.
Things found in a set are called members or elements.

Naming sets
Examples

a)  A set of stools.

b) a e i o u A set of vowel letter

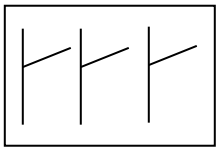
Exercises
Name these sets



More work from
MK Bk 2 Mathematics P.1 & 2
Understanding Mathematics Bk2 P.1
Evaluation

SUB THEME: Reading and drawing sets

Examples



A set of sticks

Peter	John
Moses	Mark

A set of 3 names of boys

Exercise

Read and draw these sets

1. A set of 6 girls
2. A set of 5 bags
3. A stet of 4 baskets
4. A set of 2 brooms
5. A set of 9 oranges
6. A set of furniture
7. A set of furniture
8. A set of buildings

MK Bk2 Mathematics P.1 & 2
Understanding Mathematics BK2 P.1

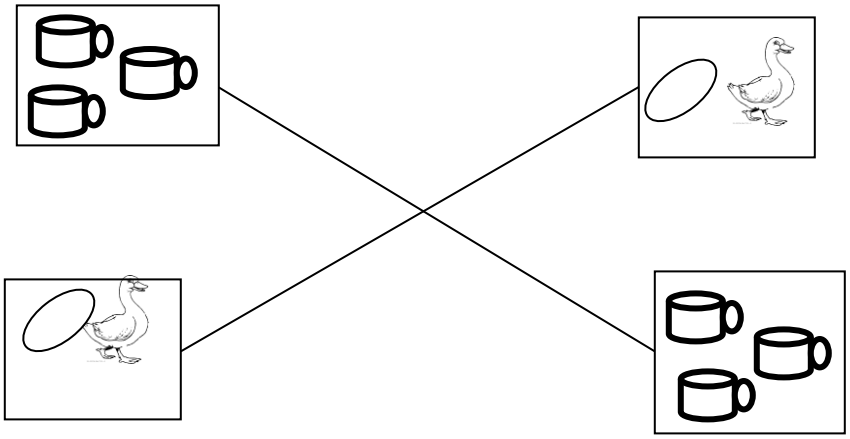
Evaluation

SUB-THEME: Matching sets

Examples

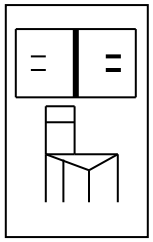
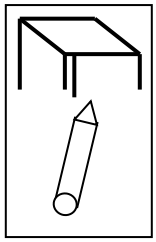
a)

b)



Exercise

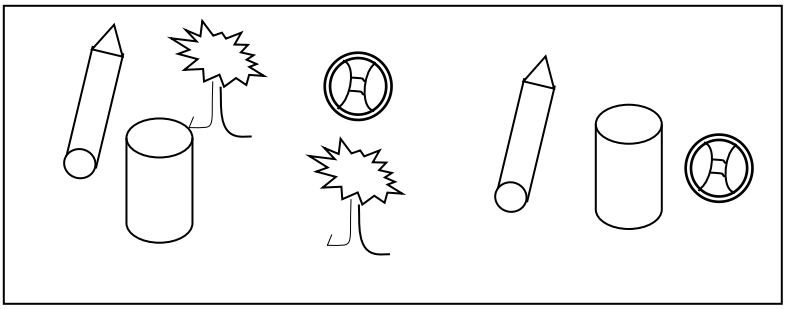
Match these sets

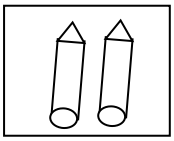
Boy Tree	6 3
	
Anna John	Animal Girl

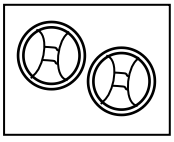
More work from
MK Mathematics BK2 P.3 and 4
Understanding Mathematics Bk2 P.2
Evaluation

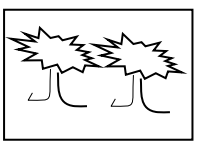
SUB-THEME: Sorting and forming sets

Examples



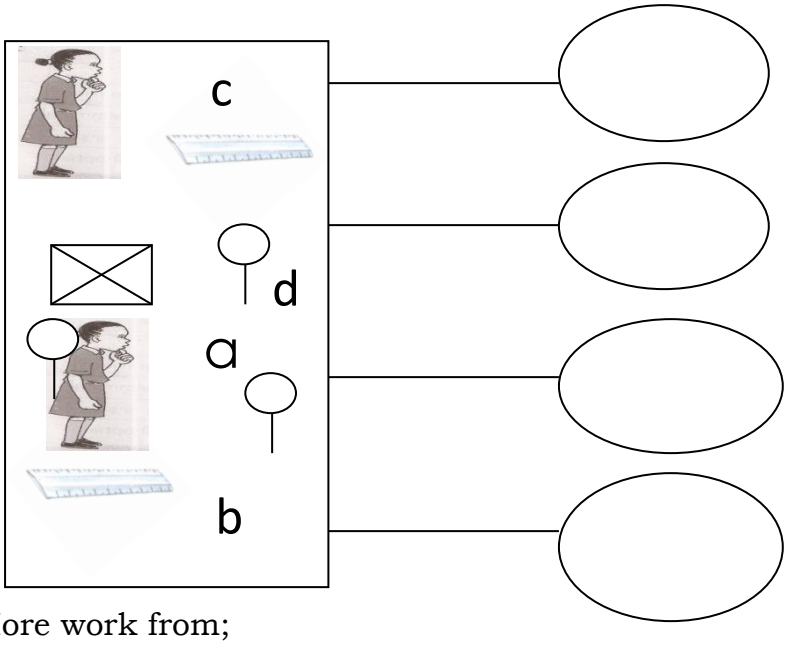
 A set of balls

 A set of trees

 A set of trees

Exercise

Form other sets

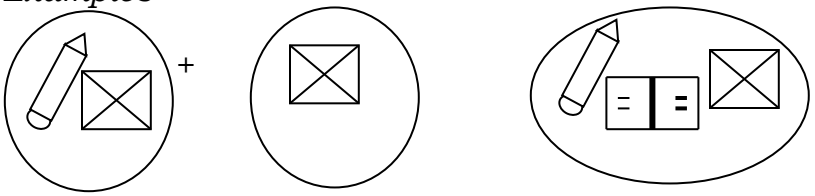


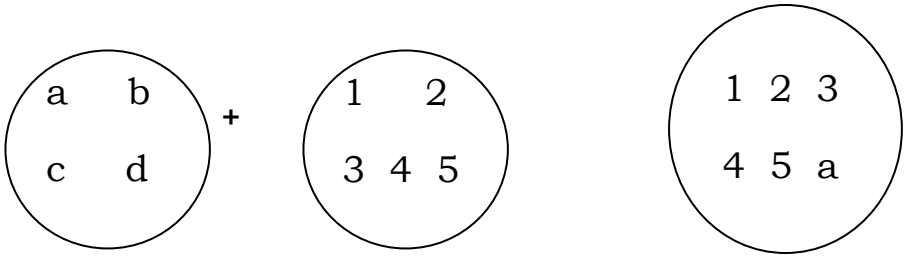
More work from;
Understanding Mathematics Bk2 P.3
New MK BK2 Mathematics P.5

EVALUATION

SUB-THEME: Joining sets

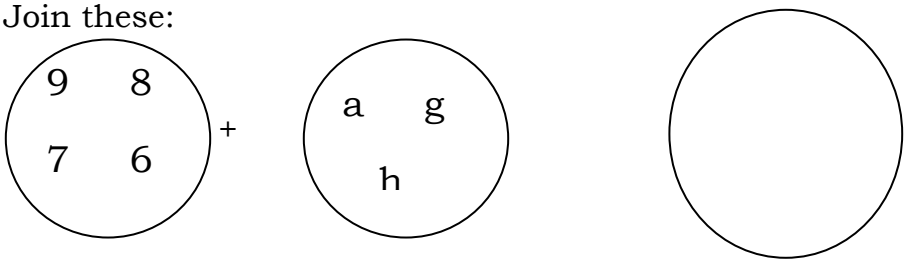
Examples

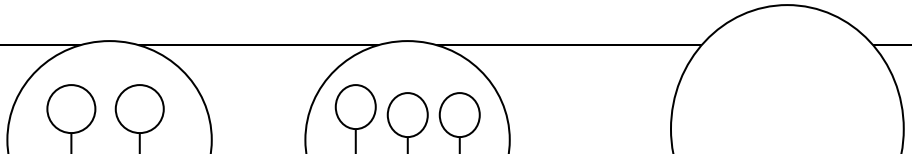




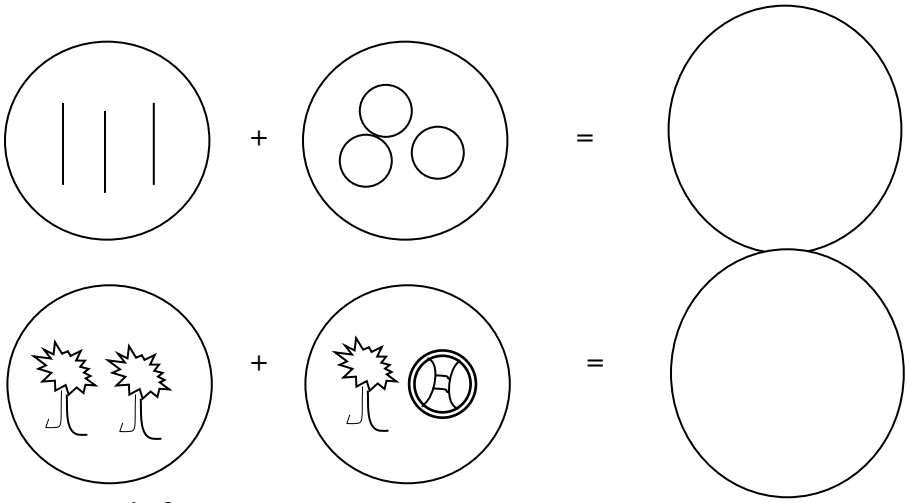
Exercise

Join these:





+ =

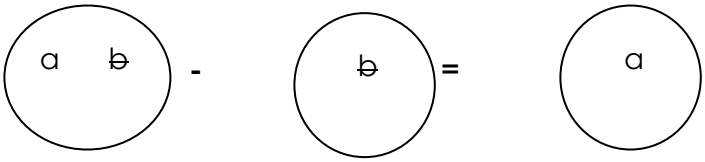


More work from;
A new MK Bk2 P8
Understanding Mathematics BK2 P.4

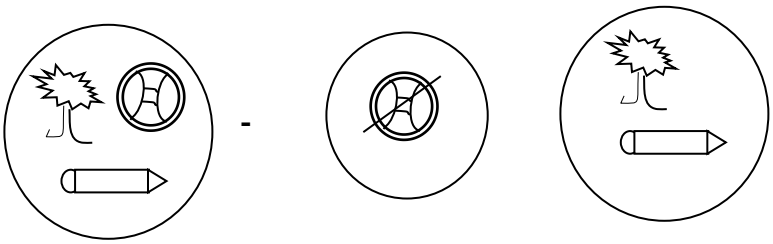
EVALUATION

SUB-THEME: Separating sets

Examples



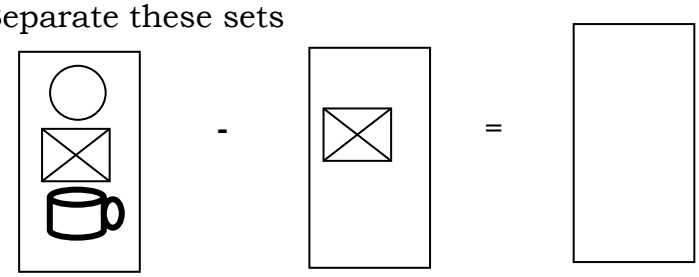
2 - 1 = 1



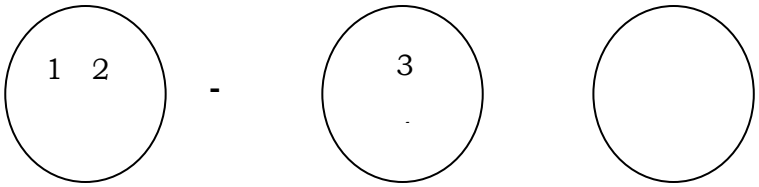
3 - 1 = 2

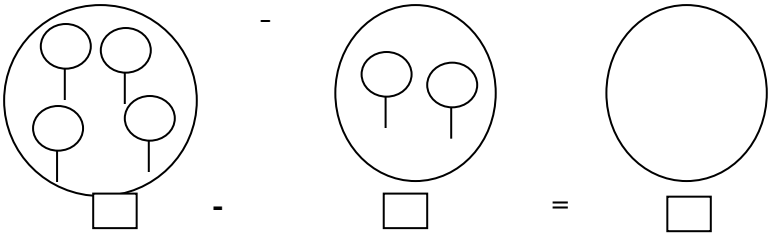
Exercise

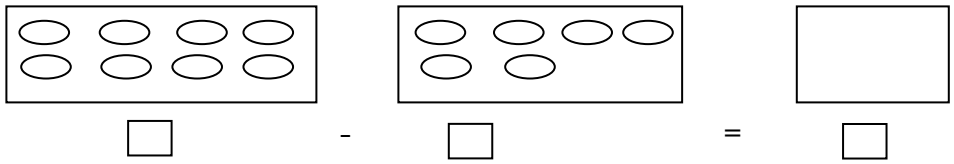
Separate these sets



3 - 1 =







More work from;
MK Bk2 Mathematics P9 – 10
Understanding Mathematics Bk2 Pg.5

EVALUATION

SUB – TOPIC: Ordinal numbers

Ordinal numbers

1 - 1st - first

2 - 2nd - second

3 - 3rd - third

4 - 4th - fourth

5 - 5th - fifth

6 - 6th - sixth

7 - 7th - seventh

Exercise

Match correctly

1	6th	second
4	3rd	fourth
2	1st	sixth
3	4th	third

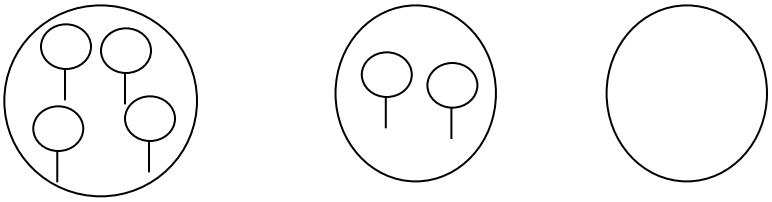
Write in figures
seventh
eighth
tenth

Evaluation

SUB-THEME: Ordering sets

Examples

A **B** **C**



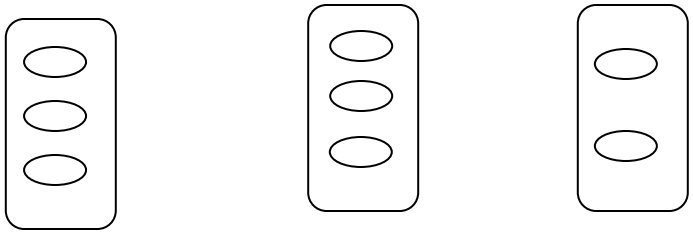
3 2 5

Set B comes first
Set A comes second
Set C comes third

Exercise

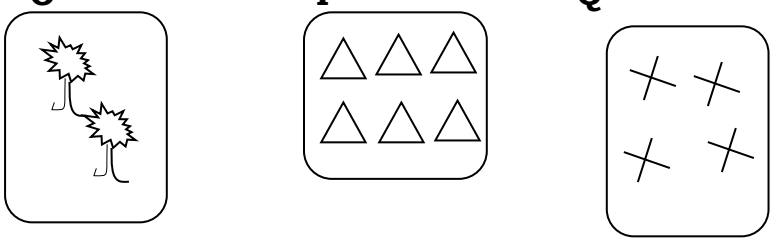
Order these sets in ascending order

R **S** **T**



Set ___ comes first
Set ___ comes second
Set ___ comes third

O **P** **Q**



Set __ comes first.

Which set comes third?
Which set comes second?

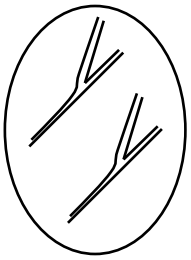
More work from;
MK Mathematics BK2 Pg.11
Understanding Mathematic BK2 Pg.6 – Pg.7

Evaluation

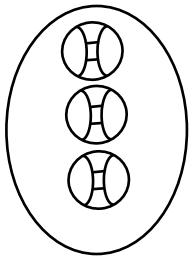
SUB-THEME: Comparing sets using less or more

Examples

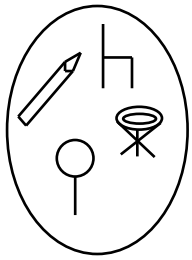
R



S



T



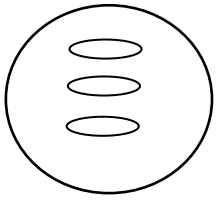
Set R has less members
Set T has more members
Set S has members than set T
Set T has more members than set S

Exercise

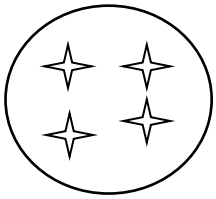
Compare these sets

A

B



C



1. Which set has less members?
2. Which set has more members?
3. How many members are in set B?
4. Which set has 3 members?
5. Find the total number of members in all the three sets.
6. How many elements are in set A and C altogether?

More work from;
MK BK2 Mathematics Pg.7

SUB-TOPIC: Set symbols

Examples of set symbols

{ } or ∅ - Empty , null or void set

∩ - Intersection of

U - Union with

$\subset$ - Subset of

$\not\subset$ - Not a subset of

$\in$ - Element of

$\notin$ - Not element of

= - Equal to

$\neq$ - Not equal to

Exercise

1. Read and draw these set symbols.
   i) Null set
   ii) Intersection
   iii) Element of
   iv) Not subset of
2. Name the set symbols.

$\not\in$ _____

$\not\subset$ _____

U _____

$\in$ _____

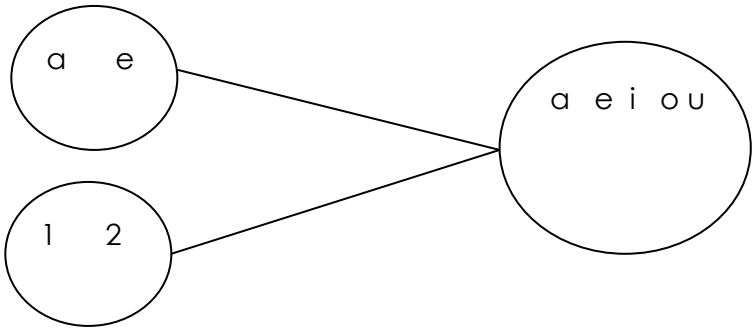
SUB-THEME: Forming Union Sets

Union Sets

Union sets are sets which combine members from two or more sets.

Examples of union sets

a)



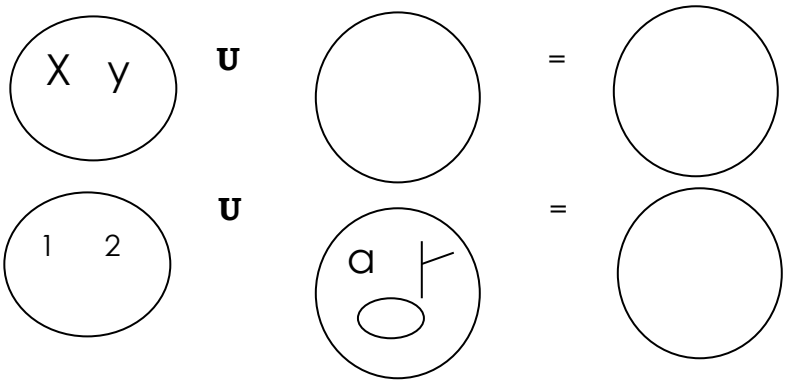
b) R = {

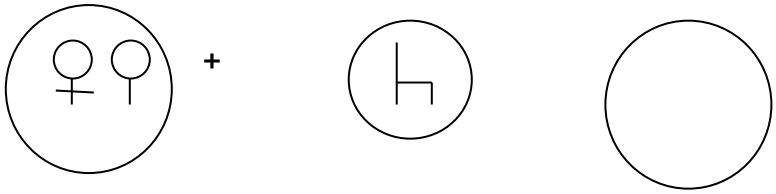
S = {

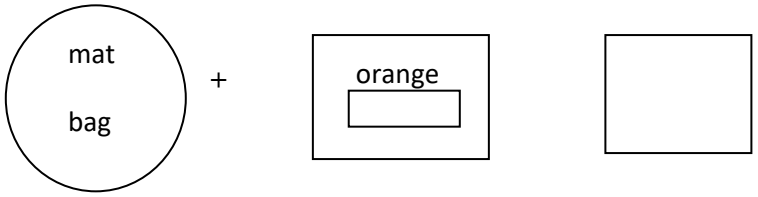
RUS {

Activity

Form Union Sets





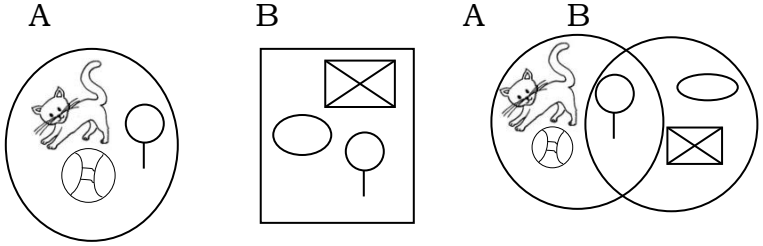


EVALUATION

SUB-THEME: Forming intersecting sets

Examples

a)



b) A = {c, a, t} B = {b, a, g}

A∩B = { a }

Exercise

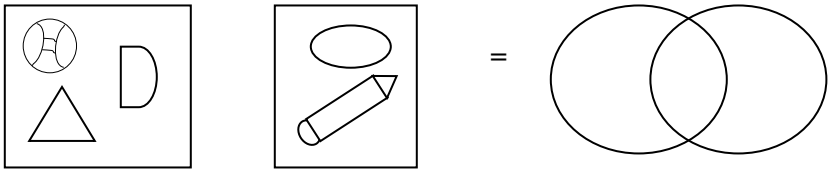
1. C {0, 1, 2, 3} D = {1, 2, 4, g}

C∩D = { }

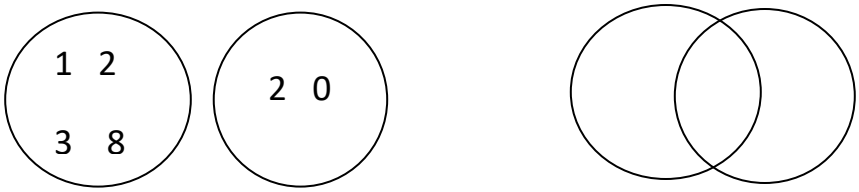
2. S = { , } R = { , }

S∩R = { }

3. T M = L M



4. L M = L M



EVALUATION

SUB-THEME: Identifying empty sets

Empty sets

Empty sets are sets which completely have no members.

Examples of empty sets

A - A set of boys with tails
B – A set of snakes singing
C – A set of books dancing

Activity

Write: *empty* or *not empty set*.

A set of pigs flying
A set of boxes roaring
A set of girls with wings
A set of pupils learning
A set of men putting on dresses
A set of birds in the sky

Read and draw

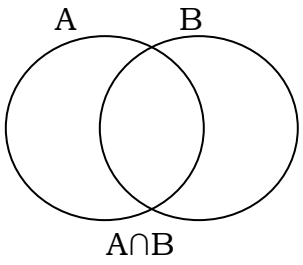
A set of 2 balls
A set of monkeys cooking
A set of days of the week which start with letter S
A set of men who breast feed babies

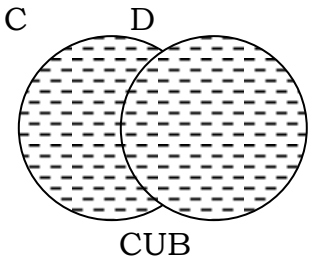
From MK Bk3 Mathematics Pg.12, 11

EVALUATION

SUB-THEME: Describing shaded regions

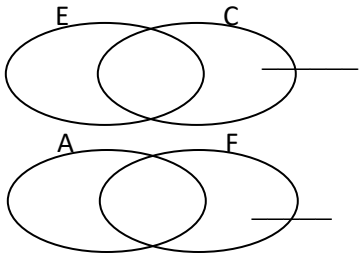
Examples

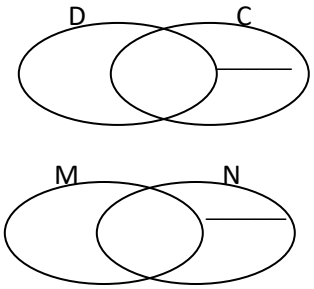




Exercise

Name the shaded regions





EVALUATION

THEME: Numeracy

SUB-THEME: Counting from 100 – 200

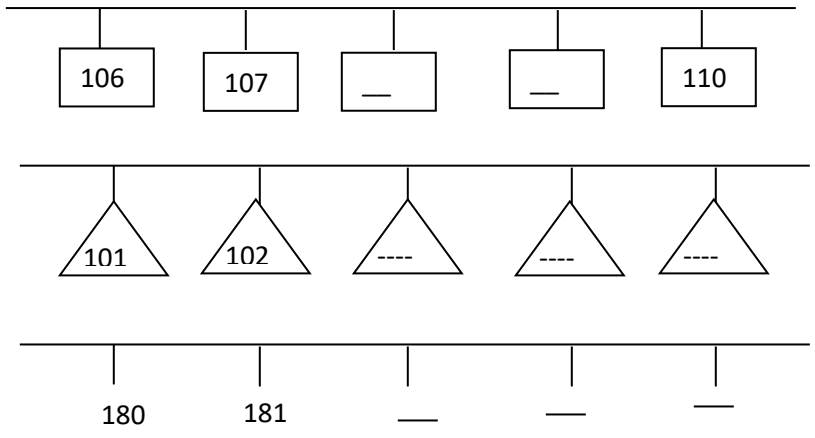
Counting, reading and writing numbers
(100 – 200)

Examples

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, ___ 200.

Exercise

Fill in the missing numbers



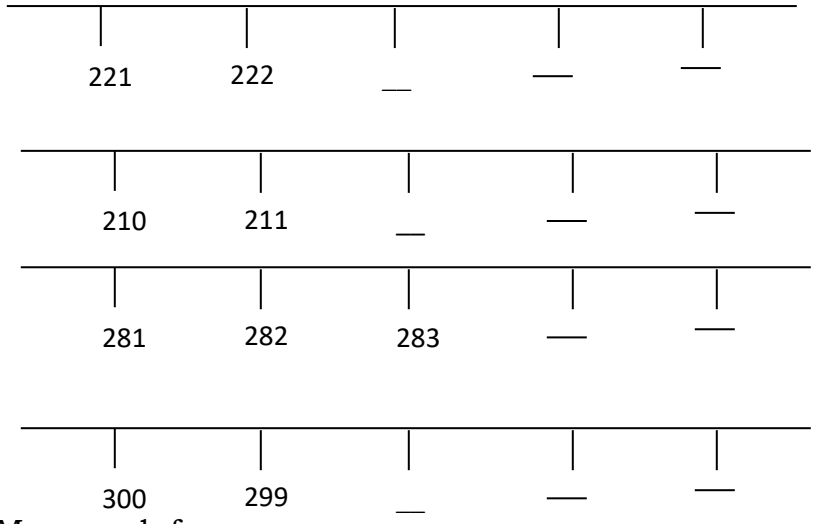
More work from;
Understanding Mathematics Bk2 Pg.12 – 13

EVALUATION

SUB-THEME: Counting 200 – 300

Examples
200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, ------ 300

Exercise
Fill in correctly



More work from ;
Understanding Mathematics Bk2 Pg.12 – 13
A new MK Bk2 Mathematics Pg.18 & Pg.22
EVALUATION

SUB-THEME: Counting numbers: 900 – 1000
Examples
900 901 902 903 904 905 906 907 908
909 910 911 912 913 914 915 916 917 919 920 921
-----1000

Complete correctly:
910 920 ___, ___, ___, ___, ___, ___
900, 101, ___, ___, ___, ___, ___, ___,
990, 991, ___, ___, ___, ___, ___, ___
915, 914, 913, ___, ___, ___, ___,

Which number comes after?
920 ___
936 ___
999 ___
EVALUATION

SUB-TOPIC: Number names 0 – 20
Examples

0 - Zero	5 - five	10 - ten
1 - One	6 - Six	11 - eleven
2 - two	7 - seven	12 - twelve
3 - three	8 - eight	13 - thirteen
4 - four	9 - nine	14 - fourteen
15 - Fifteen	16 – sixteen	17 - seventeen
18 - Eighteen	19 - nineteen	20 – twenty

Exercise

1. Write the following in words.
   6 _____ 19 _____
   7 _____ 0 _____
   10 _____ 3 _____
   15 _____

2. Akello is 20 years old. How old is she in words?

3. Mummy went to the shop and bought 12 dozens of books. Change the number of books to words.

4. Tino weights 19kg. Write her weight in words.

A new mk Bk2 Mathematics Pg.24 – 28
Understanding Mathematics BK2 Pg.14

Evaluation

SUB- THEME: Writing number names 10 – 70
Examples

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

Exercise

Write the following in words.
10 __ 70 __ 30 __ 40 ___ 90 __ 100___

Write correctly.
fotry __
sxity __
ent __
neinty __
tytwen

More work from;
A new MK BK2 Mathematics Pg.28
EVALUATION

SUB-THEME : Writing number words to figures

Examples
zero - 0
ten - 10
thirteen - 13
one hundred - 100

Activity

1. Match correctly

14	eighteen
5	zero
0	one hundred
9	five
100	fourteen
18	nine

2. Write in figures
   eighty __
   eighteen ___
   fourteen ___
   forty ___

3. Write the number symbol for:
   a) Twenty __
   b) Zero ___

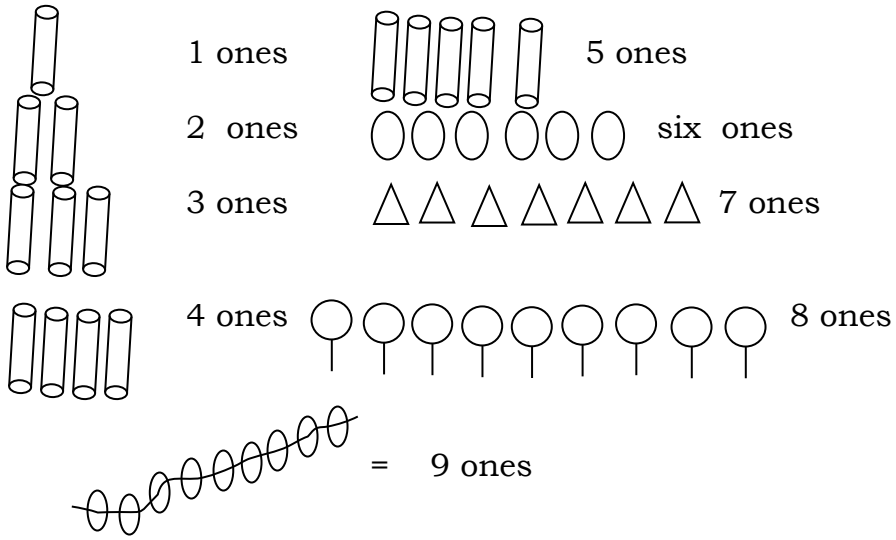
A new MK Mathematics BK2 Pg. 28

SUB-THEME: Place values

Examples of place values

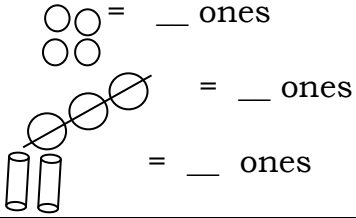
__ Ones
__ Tens
__ Hundreds
__ Thousands

Drawing ones



Exercise

1. ***Draw ones***
   2 ones
   4 ones
   8 ones
   6 ones
2. Count and complete

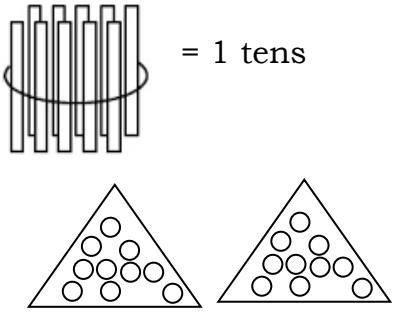


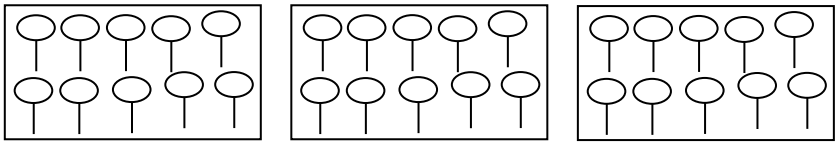
SUB-TOPIC: Place values

<u>Tens</u>

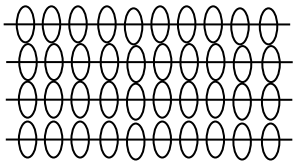
Ten sticks, objects or items make a bundle.

Examples

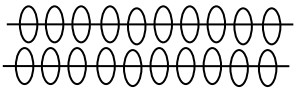




= 3 tens



4 tens



2 tens

Exercise

Draw the bundles

1 ten = __

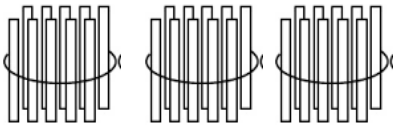
3 tens = __

8 tens = __

9 tens = __

4 tens = __

Write the tens



= __ tens

More work from;

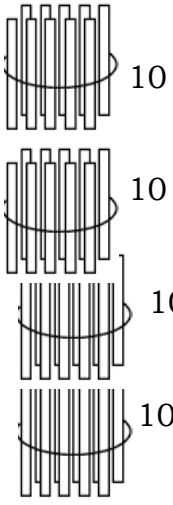
A new MK Mathematics Pg. 14

Understanding Mathematics BK2 Pg.8-9

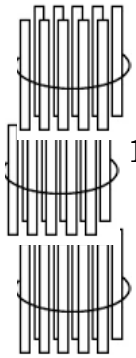
Hundreds

Examples

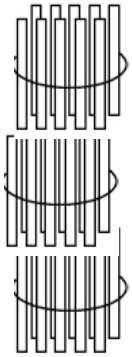
10 tens make up one hundred



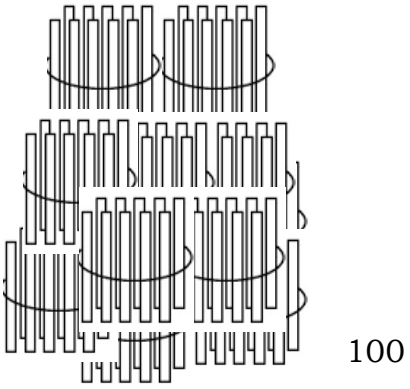
10



10



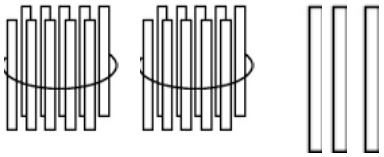
10



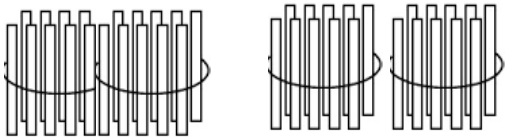
100

Exercise

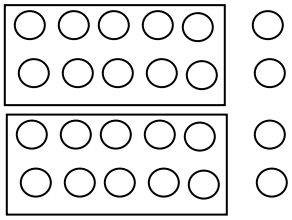
Fill in the missing numbers



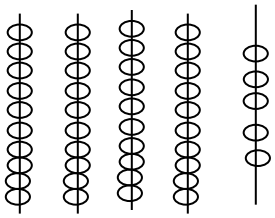
= __ tens __ ones



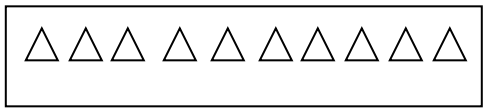
= __ hundreds __ tens __ ones



= __ tens __ ones



= __ tens __ ones



= __ tens __ ones

More work from;
MK Mathematics BK2 Pg.19 – 20, 21
Understanding Mathematics BK2 Pg.9, 10, 11

EVALUATION

SUB-TOPIC: Filling in hundreds, tens and ones

Examples
28 = 2 tens and 8 ones
8 = __ tens and __ ones
156 = __ hundreds __ tens __ ones

Exercise
Complete correctly
20 = __ tens __ ones
88 = __ tens __ ones
3 = __ tens __ ones
77 = __ tens __ ones
284 = __ hundreds __ tens __ ones
3 =tens and ones = __
__ = 9 tens 4 ones
120 = __ hundreds __ tens __ ones
188 = __ hundreds __ tens __ ones

EVALUATION

SUB-TOPIC: Writing place values of number.
Examples

1 3 5 8
Ones
Tens
Hundreds
Thousands

More work from;
A new MK Mathematics Pg.15, 22 , 23
Understanding Mathematics Bk2 Pg.10

Exercise
Write the place values of te circled number.

(3) 8 4 = __ 3 7 (1) = __ 2 (9) = __

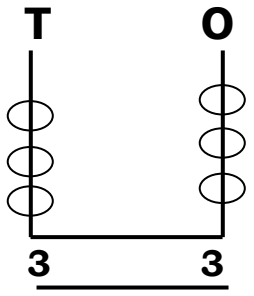
1 2 (3) 4 = __ 8 0 (0) = ___

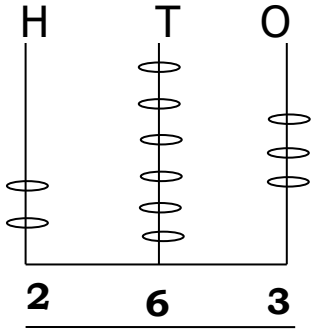
What is the place value of 2 in the number 329?

What is the place value of 4 in 384?
More work from;
A new MK Mathematics Bk3 Pg.35

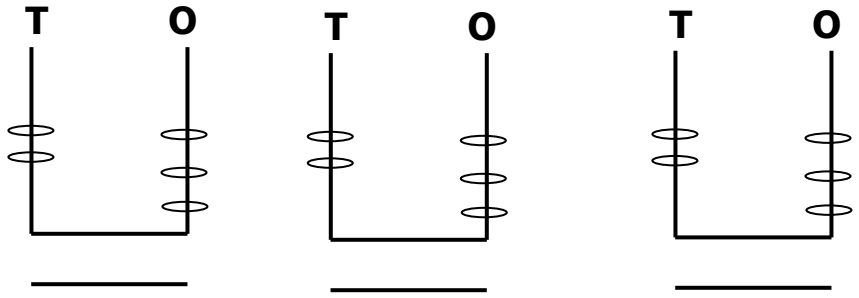
EVALUATION

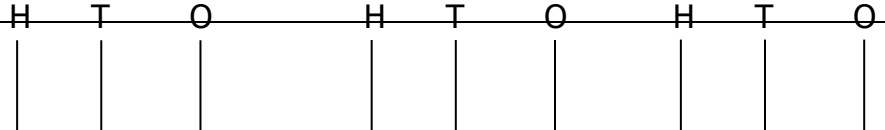
SUB-TOPIC: Writing numbers shown on the abacus.
Examples





Activity
Complete the abacus.

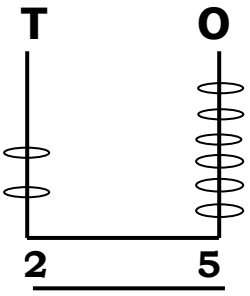


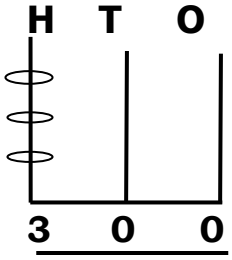


More work from;
A new MK Bk2 Mathematics Pg.16
Understanding Mathematics Bk2 Pg.23

SUB-TOPIC: Representing numbers on the abacus

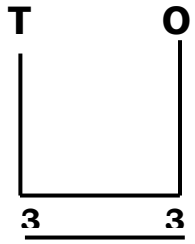
Examples

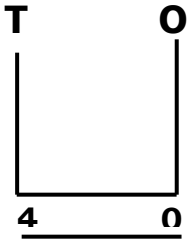
25 = 

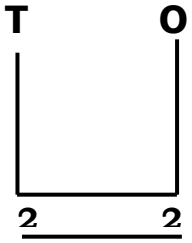
300= 

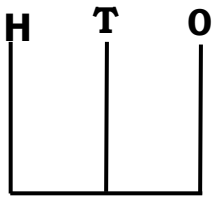
Exercise

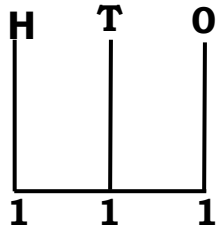
Complete

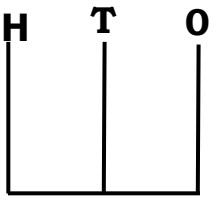


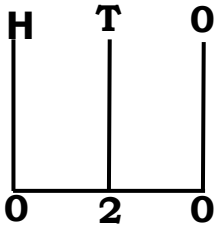




200 = 



231 = 



More work from;

A new MK Bk2 Mathematics Pg.17

SUB-TOPIC: Putting numbers on number trays

Examples

T O
2 4 =

T	**O**

H T O
6 0 3 =

H	**T**	**O**
6	0	3

Exercise

Put the number on number trays

12 =

T	**O**

18 =

T	**O**

5 =

T	**O**

100 =

H	**T**	**O**

214 =

H	**T**	**O**

3 =

T	**O**

A new MK Mathematics Bk3 Pg.35

SUB-TOPIC: Expanding numbers of tens and ones

Examples

10 = 10 + 0
11 = 10 + 1
12 = 10 + 2
13 = 10 + 3
28 = 20 + 8

14 = 10 + 4
15 = 10 + 5
16 = 10 + 6
17 = 10 + 7
34 = 30 + 4

Exercise

Expand these numbers

13 = __ + __
19 = __ + __
20 = __ + __
33 = __ + __
49 = __ + __

30 = __ + __
17 = __ + __
49 = __ + __
50 = __ + __
16 = __ + __

More work from;

Standard 2 Mathematics Pg.16
EVALUATION

Finding expanded numbers
Examples

10 + 2 = 12

$$\begin{array}{r} 1\ \ 0 \\ +\ \ 2 \\ \hline 1\ \ 2 \\ \hline \end{array}$$

47 = 4 0 + 7

$$\begin{array}{r} 4\ \ 0 \\ +\ \ 7 \\ \hline 4\ \ 7 \\ \hline \end{array}$$

Exercise
Which numbers have been expanded?

80 + 8 =	10 + 1 =
50 + 4 =	10 + 7 =
30 + 6 =	10 + 2 =
20 + 1 =	10 + 4 =
10 + 1 =	30 + 9 =

Standard Bk2 Mathematics Pg.16

SUB-TOPIC: Expanding numbers of thousands, hundreds, tens and ones.
Examples

H T O
a) 1 2 3 = 100 + 20 + 3

b) TH H T O = 5000 + 200 + 30 + 4
5 2 3 4

c) TH H T O = 9000 + 300 + 4
9 3 0 4

Exercise

Expand these:

826 = __ + __ + __

420 = __ + __ + __

306 = __ + __ + __

6288 = __ + __ + __ + __

5214 = __ + __ + __ + __

6216 = __ + __ + __ + __

819 = __ + __ + __ + __

346 = __ + __ + __ + __

More work from;
Standard 2 Mathematics Pg.16

SUB-TOPIC: Finding expanded numbersf of thousands, hundreds, tens and ones.

Examples

400 + 30 + 5 ↓

400
30
+ 5
435

2000 + 400 + 20 ↓

2000
400
+ 20
2420

Exercise
Which numbers were expanded?

400 + 20 + 1 = __ 800 + 10 = __

◯ = 800 + 10 + 3 ◯ = 400 + 10 + 8

100 + 40 + 2 = 200 + 30 + 3 =

More work on
Standard 2 learning Maths Pg.17

SUB-TOPIC: Writing hindu arabic numerals in Roman numerals.

1 – I	7 - VII	20 - XX
2 - II	8 - VIII	
3 - III	9 - IX	
4 -1V	10 - X	
5 - V	11 - X1	
6 - VI	12 - XII	

Exercise
Change the following number in Roman numerals.

3 -	5 -	20 -
6 -	10 -	21 –
4 -	15 -	28 –

EVALUATION

SUB-TOPIC: Changing Roman numerals to Hindu Arabic numerals.

Examples

V - 5
1X - 9
XX - 10
XXV - 25
VI - 6
VIII - 8

Exercise

Change to Hindu Arabic numerals.

II - IV - XXV –
X - XXI - IX -

Bob is IX years old. Change his age to Roman numerals.

More work from;
MK Bk4 Maths Pg.33

THEME: Operating on numbers.

Addition of 1 and 2 digit number vertically and horizontally.

Examples

4 + 9 = 13

T	**O**
1	2
+ 3	2
4	4

T	**O**
3	0
2	4
5	4

Exercise

Work out:

2 + 9 = 3 + 6 = 3 + 2 + 0 =

	9	6
+	1	+ 2

T	**O**
2	0
+ 3	0

T	**O**
8	6
+ 2	1

T	**O**
2	0
1	0
+ 2	0

More work from;
A new MK Bk2 Maths Pg.34

Understanding Maths BK2 Pg.16
standard 2 learning Maths Pg.3

SUB-TOPIC: Addition of thousands, hundreds, tens and ones.
Examples

a)
	H	T	O
	2	3	1
+	3	7	3

b)
	TH	H	T	O
		4	0	0 3
+	2	0	0	0

Exercise
Work out

H	**T**	**O**
2	0	0
+ 1	0	0

H	**T**	**O**
3	2	4
+ 2	0	4

H	**T**	**O**
1	2	8
+ 1	1	1

H	**T**	**O**
2	4	0
+ 1	0	0

H	**T**	**O**
8	0	0
+ 2	0	0

TH	**H**	**T**	**O**
1	0	0	0
+ 2	4	3	0

H	**T**	**O**
8	0	0
+ 2	0	0

H	**T**	**O**
9	0	0
+ 1	0	0

More work from
A new MK Bk2 Maths Pg. 38
Understanding Maths BK2 Pg. 21
Standard 2 learning Maths Pg.19

SUB-TOPIC: Additon with carrying.
Examples

a)
	1	
	4	6
+	2	5
	7	1
	11	

b)
	1	
	4	8
+	3	5
	8	3
	13	

Exercise
Add these numbers

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

EVALUATION

SUB-TOPIC: Addition of numbers involving words.

Examples

a) Julie had 18 apples and Betty had 21 apples. How many apples do they have altogether?

18 apples
+ 21 apples
39 apples

b) Find the sum of 13 books and 10 books.

1 3 books
+ 1 0 books
2 3 books

Exercise

1. 16 plus 20 equals

2. Otoi has 12 sweets. Moses has 2 sweets. How many sweets do they have altogether?

3. Find the sum of:
   a) 20 cups and 10 cups
   b) 8 balls and 3 balls
4. There are 45 pupils in P.2 and 36 pupils in P.2S. How many pupils are there altogether?

More work from;
A new MK Maths Bk2 Pg.35, 39

SUB-TOPIC: Addition in expanded form.

Examples

$$\begin{array}{rl} 2\ \ 4 & \_\_\ 20+4 \\ +3\ \ 3 & \_\_\ 30+3 \\ \hline 5\ \ 7 & =\ 50+7 \end{array}$$

$$\begin{array}{rl} 3\ 2\ 4 & -\ 300+20+4 \\ +2\ 3\ 5 & -\ 200+30+5 \\ \hline 5\ 5\ 9 & -\ 500+50+9 \end{array}$$

Exercise
Add while expanding.

$$\begin{array}{rl} 2\ \ 4 & =\ \_\_+\_\_ \\ +1\ \ 0 & =\ \_\_+\_\_ \\ \hline 3\ \ 4 & =\ \_\_+\_\_ \end{array}$$

$$\begin{array}{rl} 6\ 2\ 4 & =\ \_\_+\_\_+\_\_ \\ 2\ 0\ 1 & =\ \_\_+\_\_+\_\_ \\ \hline 8\ 2\ 5 & \end{array}$$

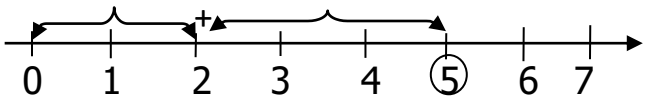
More work from;
A new MK Maths Bk2 Pg.37

EVALUATION

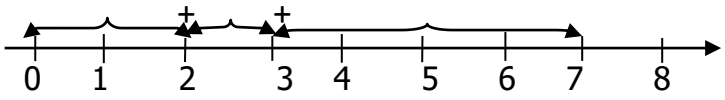
SUB-TOPIC: Addition of numbers on a number line.

Examples

2 + 3 = 5

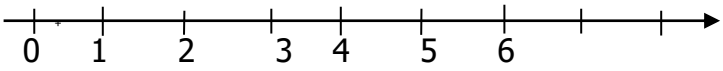


2 + 1 + 4 = 7

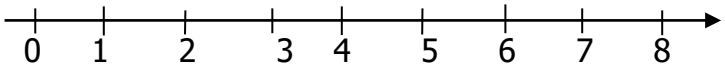


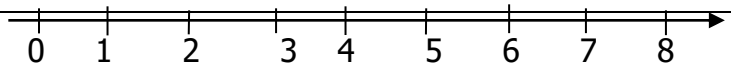
Exercise
Add on a numberline.

2 + 2 =



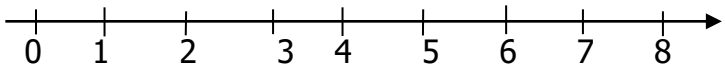
3 + 4 =



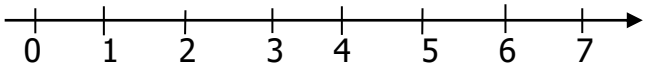


1 + 6 =

8 + 1



2 + 2 + 2 =



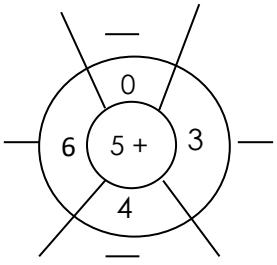
More work from;
Uganda primary Maths BK2 Pg.20

SUB-TOPIC: Table and circle filling involving addition.

Examples

+	2	0	3	4	6
3	5	3	6	7	9
	3 + 2	3 + 0	3 + 3	3 + 4	3 + 6

Exercise
Complete



+	3	2	0	1	5	6	7	
7	__	__	__	__	__	__	__	

A new MK Maths Bk2 Pg.64
Understanding Maths Bk2 Pg.30

EVALUATION

SUB-TOPIC: Substraction of one and two digit numbers.
Examples

8 _ 2 = 6

14 – 6 = 8

	T	**O**
	9	8
-	2	5
	7	3

Exercise
Work out:

	7	4		4	0		7	7
-	2	0	-	1	0	-	2	4

15 - 5 = 10 – 2 =

	9	9		8	0		6	4
-	1	0	-	2	0	-	2	4

More work on;
A new MK Bk2 Maths Pg.59
Understanding Maths Bk2 Pg.22 – 25
Uganda primary Maths Bk2 Pg.10

SUB-TOPIC: Subtraction of hundred tens and ones.

Examples

	H	**T**	**O**
	5	3	4
-		2	3
	5	1	1

	H	**T**	**O**
	9	0	0
-	2	0	0
	7	0	0

Exercise
Work out:

H	T	O
2	0	0
- 1	0	0

H	T	O
8	0	0
- 3	0	0

H	T	O
4	3	6
- 2	1	0

H	T	O
6	4	2
- 5	4	0

H	T	O
3	8	9
- 2	7	8

H	T	O
1	3	4
-	2	1

H	T	O
6	0	0
- 1	0	0

H	T	O
2	6	0
-	4	0

H	T	O
8	0	0
- 1	0	0

More work on;
A new MK Bk2 Maths Pg.60
Understanding Maths Bk2 Pg.27

Lesson

Subtraction with borrowing

Examples

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

Activity

4 6	3 5	5 6
- 1 7	- 1 8	- 2 7

6 4	3 2
- 5	- 2 5

More
Mk maths bk page 112 - 113
Word problems
Examples
Tom had 36 pens and gave Peter 18 pens.
How many pens did Tom remain with?

3 6
-1 8
1 8

16 – 8 = 8 Tom remained with 18 pens.

Subtract 25 from 51

5 1 - 2 5 2 6	11 – 5 = 6

Activity

1. What is the difference between 24 and 17?
2. Floura bought 43 cakes and ate 25 cakes.
   How many cakes did she remain with?
3. Jane had 63 bottles. 25 bottles broke. How many remained?

More

Mk Maths Bk 2 pg 115

SUB-TOPIC: Subtraction with borrowing

Examples

a)
$$\begin{array}{r} {}^{3}\cancel{4}\ {}^{12}2 \\ -\ 1\ \ 6 \\ \hline 2\ \ 6 \end{array}$$

b)
$$\begin{array}{r} {}^{7}8\ {}^{14}4 \\ -\ 1\ \ 5 \\ \hline 6\ \ 9 \end{array}$$

Exercise

$$\begin{array}{r} 6\ \ 6 \\ -\ 2\ \ 7 \\ \hline \end{array} \qquad \begin{array}{r} 4\ \ 0 \\ -\ 2\ \ 4 \\ \hline \end{array} \qquad \begin{array}{r} 3\ \ 6 \\ -\ 2\ \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8\ \ 8 \\ -\ 2\ \ 9 \\ \hline \end{array} \qquad \begin{array}{r} 4\ \ 4 \\ -\ 1\ \ 6 \\ \hline \end{array} \qquad \begin{array}{r} 9\ \ 0 \\ -\ 2\ \ 5 \\ \hline \end{array}$$

More work on;
Uganda primary Maths Bk2 Pg.16
Understanding Maths Bk2 Pg.42 – 44

SUB-TOPIC: Subtraction of number involving words.

Examples

a) Daddy had 25 cows. He sold 15 cows. How many cows remained?

$$\begin{array}{r} 2\ \ 5 \text{ cows} \\ -\ 1\ \ 5 \text{ cows} \\ \hline 1\ \ 0 \text{ cows} \end{array}$$

b) Find the difference between 20 and 10.

$$\begin{array}{r} 2\ \ 0 \\ -\ 1\ \ 0 \\ \hline 1\ \ 0 \\ \hline \end{array}$$

Exercise

1. A school has 300 pupils. 100 pupils did not attend the lesson. How many pupils attended the lesson?

2. A lice bought 14 apples. She ate 10 apples. How many apples remained?

3. What is 60 less 20?

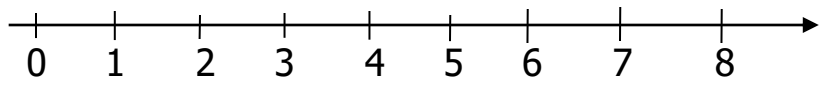
4. Twenty take away five equal equals___
5. Cindy had 8 ckaes. She gave 2 cakes to her friend. How many cakes were left?

More work on;
A new MK Maths Bk2 Pg.61
A new MK Maths Bk3 Pg.51

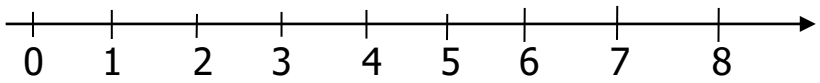
SUB-TOPIC: Subtraction using a number line.

Examples

4 – 2 = 2



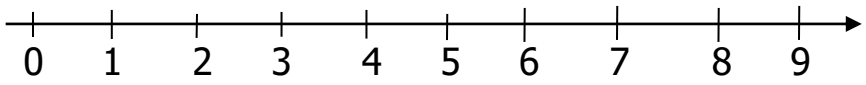
8 – 3 = 5



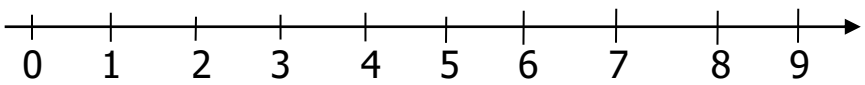
Exerice

Subtract these.

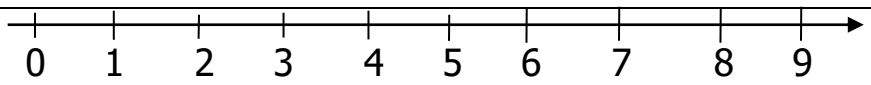
5-2 =



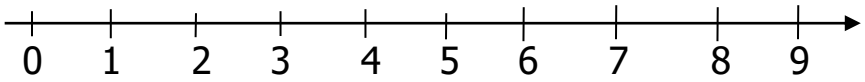
6-0 =



4-3 =



9-2=

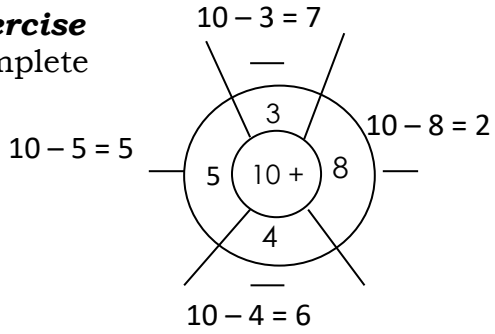


SUB-TOPIC: Subtraction in tables cirles.

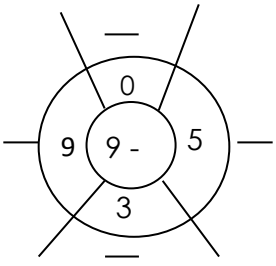
example

Exercise

Complete



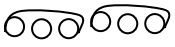
-	3	2	1	0	6	7
12	__	__	__	__	__	__



More work on;
A new MK Bk2 Maths Pg.64
Understanding Maths Bk2 Pg.30

SUB- TOPIC: Multiplication ot one digit numbers horizontally and vertically.

Examples



2 x 3 = 6

2 x 7 = 14

```
   2          3
 x 5        x 3
  10         9
```

Exercise

Work out these:

3 x 4 = 5 x 2 =
6 x 1 = 8 x 1 =

```
   4        6        8        5
 x 2      x 3      x 3      x 5

   9        6        2        4
 x 6      x 6      x 6      x 1
```

More work on;
A new MK Maths Bk2 Pg.41 – 42
Standard 2 learning Maths Bk2 Pg.25 – 26, 54

SUB-TOPIC: Multiplication by 2 and 3.

Examples

a)
```
  1  2
x  2
-----
  2  4
-----
```

b)
```
  3  2
x  3
-----
  9  6
-----
```

Exercise
Work out:

```
   1  3        2  2        4  0
 x  2      x  2      x  2
-----      -----      -----

   3  3        1  0        1  2
 x  3      x  2      x  4
-----      -----      -----

   2  0        5  0
 x  3      x  2
-----      -----
```

A new MK Bk2 Maths Pg.43
Understanding Maths Bk2 Pg.51

SUB-TOPIC: Multiplication of 2 and 3 digit numbers by one digit number.
Examples

$$\begin{array}{r} 24 \\ \times\ 2 \\ \hline 48 \\ \hline \end{array} \qquad \begin{array}{r} 110 \\ \times\ 4 \\ \hline 440 \\ \hline \end{array}$$

Exercise
Workout:

$$\begin{array}{r} 202 \\ \times\ 2 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 200 \\ \times\ 3 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 401 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ \times\ 2 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 621 \\ \times\ 2 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 401 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

More work on;
A new Mk Maths Bk2 Pg.125

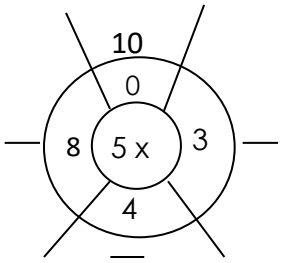
SUB-TOPIC: Table and circle filling involving multiplication.
Examples

x	2	3	4	5	6
2	4	6	8	10	12

2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12

Exercise
Multiply

x	3
3	-
4	-
5	-
6	-



More work on;
A new MK Bk2 Maths Pg.86

SUB-TOPIC: Multiplication of numbers involving words.

Examples

a) There are 2 shoes in a pair. How many shoes are there in 6 pairs?
6 x 2 = 12 shoes

b) How many fingers do 4 hands have?

4 x 5 = 20 fingers

Exercise

Solve

1. One fly has 2 wings. How many wings do 5 flies have?

2. There are 5 eggs in a basket. How many eggs are in 2 similar baskets?

3. 6 groups of 3 equals

4. What is the product of 7 and 0?

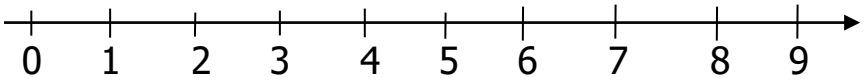
5. There are 12 books in a dozen.
   How many books are in 2 dozens?

6. 3 groups of 3 gives.

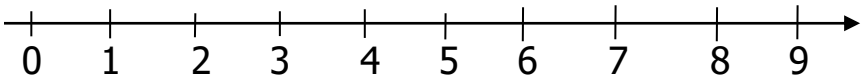
More work on
Standard 2 learning Maths Bk2 Pg.27

SUB-TOPICS: Multiplication on a number line.
*Example*s

2 x 2 = 4 2 groups of 2



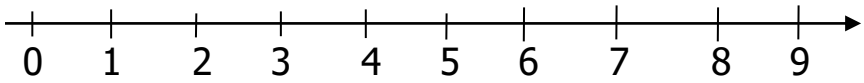
3 x 2 = 6 3 groups of 2



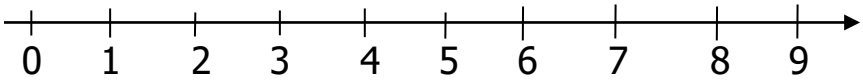
Exercise

Work out:

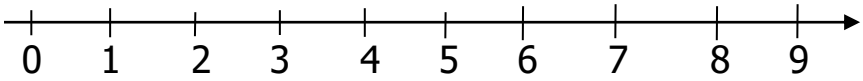
2 x 4 =



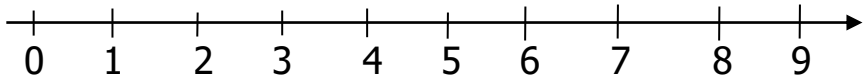
3 x 3 =



4 x 1 =



2 x 2 x 2 =



EVALUATION

SUB-TOPIC: Division of one and 2 digits numbers horizontally.

Examples

a) 4 ÷ 2 = 2

b) 16 ÷ 4 = 4

Exercise

Work out:

$9 \div 3 =$ $6 \div 2 =$ $4 \div 4 =$

$10 \div 2 =$ $12 \div 3 =$ $16 \div 2 =$

$20 \div 5 =$

More work on;
A new MK Maths Bk2 Pg.76, 78
Uganda primary Maths Pg.44

SUB-TOPIC: Long division of 2 digits

Examples

1) $2\overline{)24}$ (1 2)

$2 \div 2 = 1$
$4 \div 2 = 2$

2) $3\overline{)96}$ (3 2)

$9 \div 3 = 3$
$6 \div 3 = 2$

Exercise

Work out

$2\overline{)20}$

$2\overline{)44}$

$2\overline{)64}$

$3\overline{)15}$

$4\overline{)16}$

More work on;
Standard 2 learning Mathematics Pg.50, 60

SUB-TOPIC: Division with remainders

Examples

a) 7 ÷ 2 = 3 r 1

b) 13 ÷ 2 = 6 r 1

Exercise

Divide

10 ÷ 4 = 9 ÷ 2 = 22 ÷ 4

15 ÷ 6 = 6 ÷ 5 = 18 ÷ 7 =

16 ÷ 9 = 13 ÷ 5 =

EVALUATION

SUB-TOPIC: Division of numbers involving words

Examples

a) Share 14 mangoes between 2 boys
What does each boy get?

14 ÷ 2 = 7 mangoes

b) Divide 18 sweets among 3 girls
18 ÷ 3 = 6 sweets

Exercise

1. Divide 10 pencils among 5 children
2. Three men sharedf 12 nets equally
   How many nets did each man get?
3. Share 40 sweets among 5 boys.
4. Mum had 8 cakes. She shared them equally between 2 girls. How many cakes did each girl get?
5. Share 13 boxes among 9 women.

More work on;
New MK Maths Bk2 Pg.75
Standard 2 learning Maths Pg.51

SUB-TOPIC: Division by repeated subtraction.

Examples

a) 9 ÷ 3 = 3
   9 – 3 = 6
   6 – 3 = 3
   3 – 3 = 0

b) 10 ÷ 2 = 5
   10 – 2 = 8 step 1
   8 - 2 = 6 step 2
   6 - 2 = 4 step 3
   4 - 2 = 2 step 4
   2 – 2 = 0 step 5

Exercise

Try these

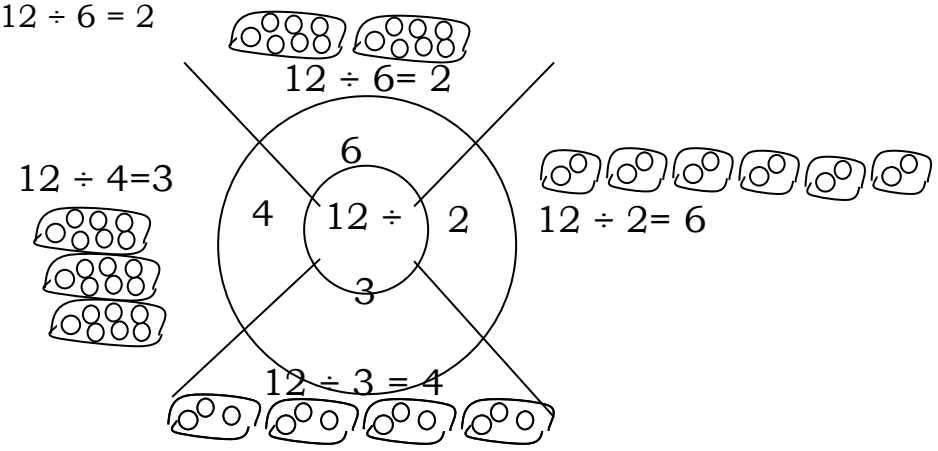
15 ÷ 3 = 8 ÷ 4 = 10 ÷ 5 = 14 ÷ 2 =
8 ÷ 2 = 20 ÷ 5 =

More work on;
New MK Maths Bk2 Pg.78 – 82

SUB-TOPIC: Division in tables and circles.

Examples

12 ÷ 6 = 2



Exercise

÷	2	5	4	10	20
20	-	-	-	-	-

GRAPHS

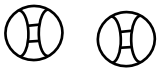
Picto graphs

Use the graphs below to answer the questions.

Alfred

Pauline 

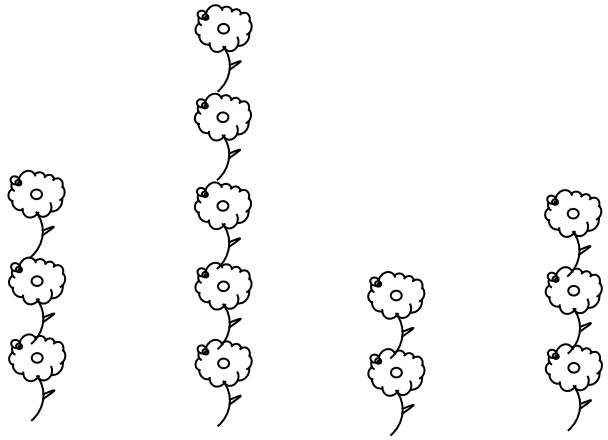
Martin

Stella 

Mary 

1. How many balls has Stella?
   Stella has two balls
2. How many pupils have balls?
   Four pupils have balls
3. Who has less balls?
   _____
4. Name the child who got 8 balls.

Activity
Use the graph below to answer questions



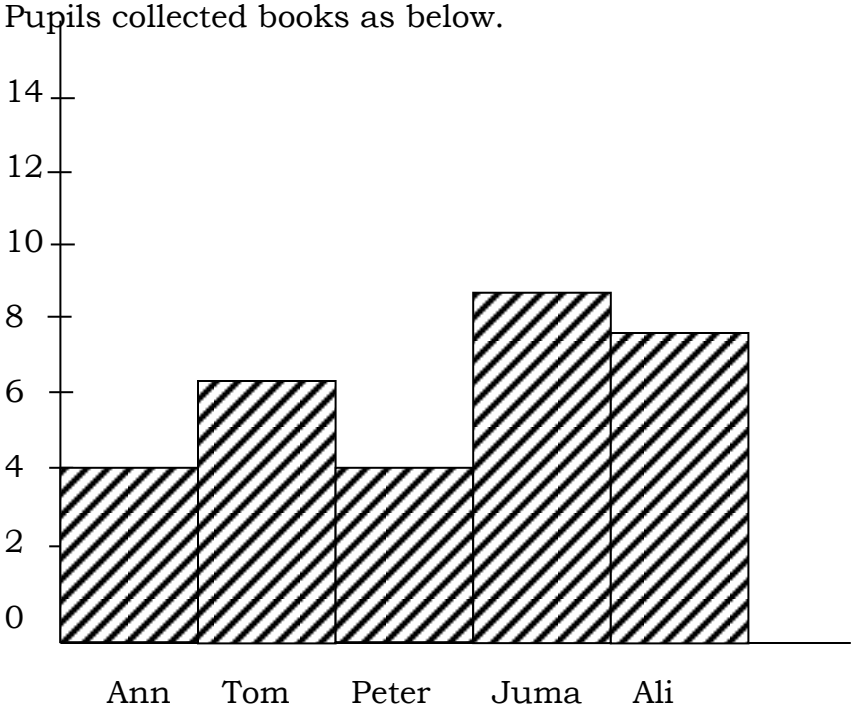
Ronah Rodah Fiona Sophie

a) Who has many flowers?
b) Who have the same number of flowers?
c) Fiona has _____ flowers
d) How many children are shown on the graph?
e) How many flowers do they have altogether?

More work on;
MK Maths Bk2 Pg.65 – 69

BAR GRAPH
Use the graph below to answer questions.

Pupils collected books as below.



a) How many pupils collected books?
b) Who collected the highest number of books?
c) Name the child who collected no book.
d) _____ and _____ collected the same number of books.

More work on;
MK Maths BK2 Pg.65 – 69

CAPACITY

Capacity is the amount of something a container or space can hold.

Capacity is measured in litres

Things measured in litres are;

a) Paraffin
b) Cooking oil
c) Splash
d) Wine
e) Soda
f) Beer
g) blood
h) water
i) milk
j) Safi e.t.c

Things used to measure and keep capacity;

a) Cup
b) Glasses
c) Jerrycans
d) Tanks
e) Basins
f) drum
g) tins
h) jug
i) pots
j) flask

Activity

1. Draw these things used to measure capacity.
   a) Jerrycan b) Pot

2. What container do we use to pack;
   a) Soda b) water

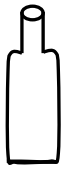
3. Name any three examples of liquids you know.

More work on;
MK Maths Bk2 Pg.151
NCDC Primary Bk2 Pg.104

Comparing capacity

Examples

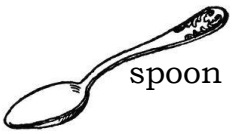
Which container holds more water?

 bottle

 bucket

A bucket holds more water than a bottle.

 cup

 spoon

A spoon holds less water than a cup.

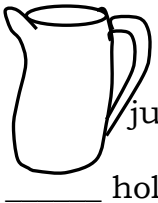
Activity

Which container holds more liquid?

 pot

 tin

A _____ holds less liquid than a _____

 jug

 cup

A _____ holds more liquid than a _____

MK Maths Bk2 Pg.151

Addition in litres

Examples

3L + 4L = 7L 6 litres + 2 litres = 8 litres

L	7 litres
8	+ 4 litres
+ 1	

_____

Activity
Add the litres

1. 5 litres + 3 litres = _____
2. 1 litre + 5 litres = _____
3. 2L + 2L = _____
4. 9L + 3L = _____
5.

L	L	L
4	2	2 4
+ 6	+ 8	+ 3 2
_____	_____	_____

6. Ann has 16L and 23L. How many litres are they altogether?

Subtraction in litres

1. 6L – 4L = 2L
2.

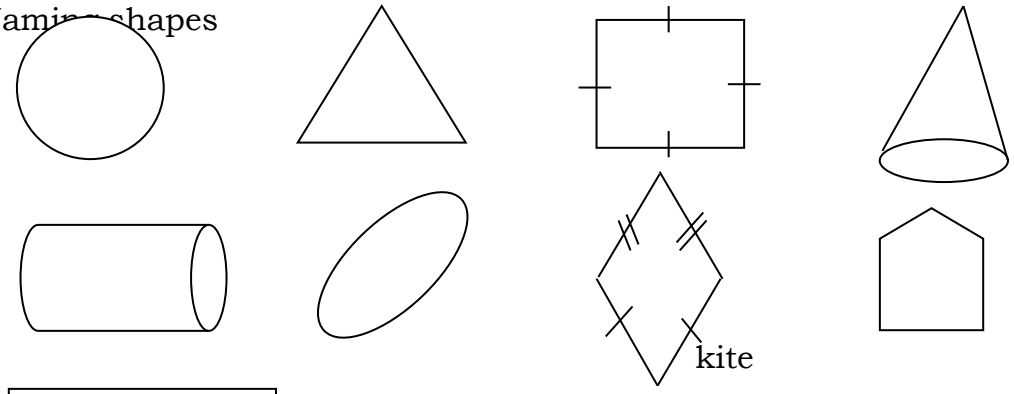
L	L
8	4 8
- 4	- 2 5
4	2 3

Activity
Subtraction

1. 8L - 3L = _____
2. 10L – 5L = _____
3. 6L – 2L = _____
4. 32L – 30L = _____

More work on;
MK Bk2 Maths

GEOMETRY
Shapes
Naming shapes



rectangle

Exercise one

1. Name the shapes drawn above.
2. How do we call a shape with 5 sides.
3. Fill in the missing letters.
   a) p ___ ntago____ b) r ___ cta ___ gle

c) sq ___ are d) o ___ al

4. Which shape has 4 equal sides?
5. How do we call a half a circle?
6. Name the shape of the following objects;
   a) door b) an orange c) a wheel

Exercise two

1. Identify the shapes on Mr. Olum's car

2. Match the spaes and their sides.
   triangle 5 sides

   pentagon 4 equal sides

   square 3 sides

3. Name any one thing you know and it has a shape of;
   a) A cylinder b) a circle

   c) rectangle

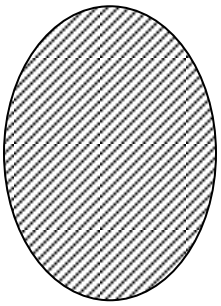
   More work is on;
   New MK Maths Bk2 Pg.70 – 72
   Understanding Maths Bk2 Pg.33 – 36

PRIMARY TWO

TERM II- III 2017

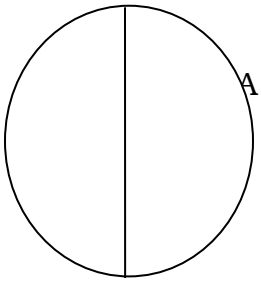
FRACTIONS

What is a fraction?
A fraction is a part of a whole.
A fraction has 2 parts. i.e. numerator and denominator.
2 - Numerator
6 - Denominator
Dividing/folding and drawing fractions.

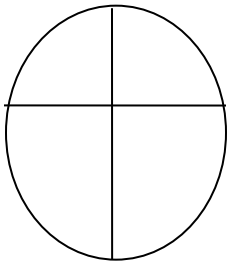


A whole = 1

A whole = 1

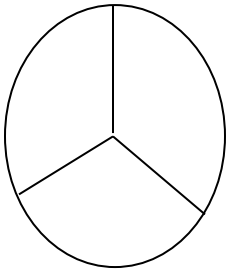


A half ½ you divided a whole into 2 two halves make a whole



A quarter ¼ (you divide a whole into 4

4 quarters make a whole

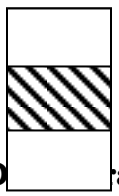


A third

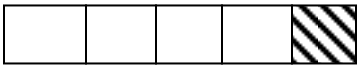
In order to get a third, you divide a whole into 3 equal parts.

1/3 a third

Three thirds make a whole.

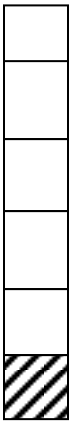


O ractions



1/5 a fifth

1/8 an eighth



1/6 a sixth

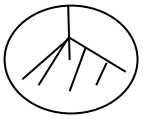
¾ = three thirds

$^{2}/_{4}$ = two quarters

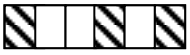
$^{1}/_{7}$ = a seventh

Naming shaded fractions.
Examples

= $^{2}/_{4}$

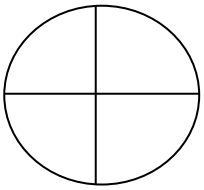


= $^{1}/_{3}$



= $^{3}/_{6}$

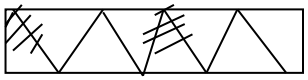
ACTIVITY
Name the shaded fractions.



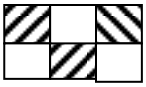
= ____

= _____

= _____



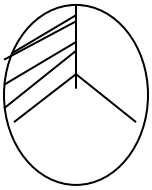
= ____



More
MK Math book 2 page 93

Examples

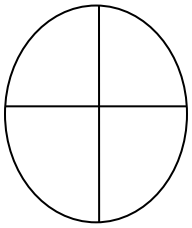
= $\frac{2}{4}$



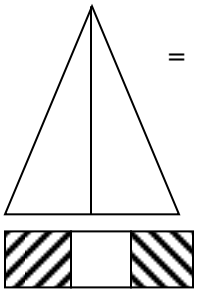
$\frac{1}{3}$

ACTIVITY

Name the shaded fractions

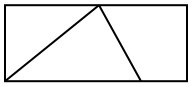


=



=

=



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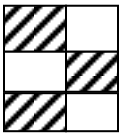
MK Mathematics book 2 page 93

Drawing and shading fractions

Examples

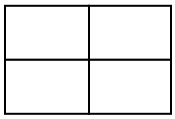
$\frac{2}{3}$ =

$\frac{3}{6}$

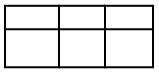


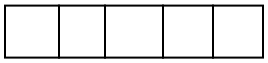
ACTIVITY

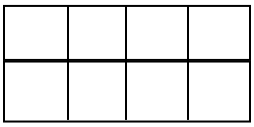
Draw and shade the following fractions

1. ¼ 

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

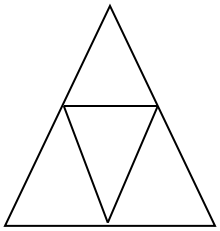
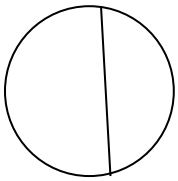
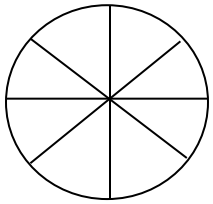
3. $\frac{4}{6}$ 

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

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

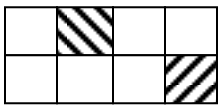
MK Mathematics book 2 page 94

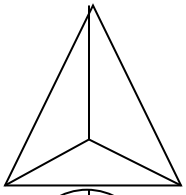
Naming un-shaded fractions

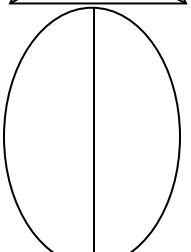
 = ¾  = ½  = $\frac{6}{8}$

ACTIVITY

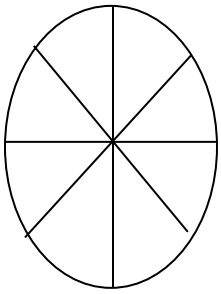
Name the un-shaded fractions

 =

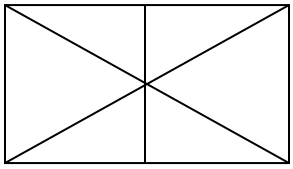
 =



_____ =



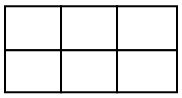
=



New Mathematics book 2 page 94

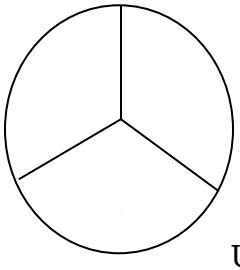
Naming the shaded and un-shaded fractions

Examples



Shaded = $\frac{2}{6}$

Un-shaded = $\frac{4}{6}$



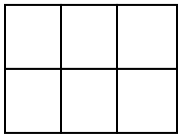
Shaded = 1/3

Un-shaded= 2/3

ACTIVITY

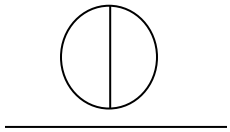
Shaded =

Un-shaded=

2. 

Shaded=

Un-shaded =

3. 

Shaded =

Un-shaded =

4. 

Shaded =

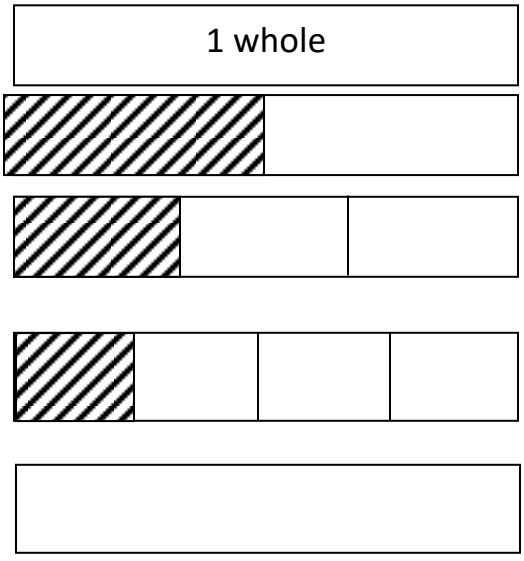
Un-shaded=

A new MK Mathematics Book 2 page 93 – 94

Comparing fractions

<u>Using greater than "and" less than"</u>

>is greater than < is less than



1 whole

½

$\frac{1}{3}$

½ is less than 1 -1 is bigger than

1/3 is greater than 1/5 – ½ is greater than ¼

1/5 > 1/10

ACTIVITY

Use greater than or less than

¼ is <u>less</u> than ½

$^1/_5$ is <u>greater</u> than $^1/_{10}$

¼ is _____ ½

Use > or <

½ _____ 1/6

¼ _____ 1/3

2/4 _____ ¼

A new MK book2 page 96 – 97

Ordering fractions starting with the smallest to biggest

<u>Example</u>

$\underline{1}, \quad \underline{1}, \quad \underline{1}, = \underline{1} \quad \underline{1} \quad \underline{1}$
$3 \quad 7 \quad 6 \quad 7 \quad 6 \quad 3$

$½ , \quad \underline{1} \quad \underline{1} \quad \underline{1} = \underline{1} \quad \underline{1}$
$9 \quad 5 \quad 9 \quad 5 \quad 2$

ACTIVITY

Arrange these fractions starting with the smallest

¼ , ½ , $^1/_5$

$^1/_6$, $^1/_9$, ½

$^1/_{10}$, $^1/_{15}$, $^1/_{100}$

$^2/_{10}$, $^2/_{30}$, $^2/_{40}$

¼ , 1/3, ½

MK book 2 page 95 – 96 and 97

Arranging fractions starting with the biggest to smallest

Examples

1. 1/9, 1/3, ½ , = 1/2 , 1/3, 1/9
2. 1/10, 1/6, 1/7, = 1/6, 1/7, 1/10

ACTIVITY

Arrange the fractions starting with the biggest.

1. 1/9, 1/3, 1/5 =

2. 1/6, 1/10, ¼ =

3. 2/6, 1/6, 3/6

4. 1/100, 1/10, 1/1000

5. 1/15, 1/10, 1/10

New MK Mathematic book 2 page 95 – 96

Primary Mathematics for Uganda book 2 page

Addition of fractions with the same denominators

Examples

1. $^{2}/_{6} + {}^{1}/_{6} = \frac{2+1}{6}$

   $= {}^{3}/_{6}$

2. $4/9 + 3/9 = \frac{4+3}{9}$

   $= {}^{7}/_{9}$

ACTIVITY

Add the following fractions

1. $^{1}/_{5} + {}^{2}/_{5} =$

2. $^{3}/_{10} + {}^{4}/_{10} =$

3. $^{5}/_{6} + {}^{1}/_{6} =$

4. $^{1}/_{7} + {}^{2}/_{7} + {}^{3}/_{7} =$

5. $^{3}/_{9} + {}^{5}/_{9} =$

6. $^{4}/_{8} + {}^{4}/_{8} =$

MK Mathematics book 2 page 69
Primary Mathematics for Uganda book 2 page 70

Word problems

Examples

1. Tom had $^{2}/_{3}$ of a cake. He was added 1/3 of the cake. What fraction did he have?

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

$3 \div 3 = 1$

$= 1$

ACTIVITY

1. Floura had 3/8 of sugarcane and Mitual had $^{2}/_{8}$ of the sugarcane. Which fraction do they have altogether?
2. Sefera has 4/10 of the orange and Miguel has $^{3}/_{10}$ of the orange. What fraction do they have?
3. What is the sum of 3/9 and $^{4}/_{9}$?
4. Mark ate 3/5 of an apple and Angel at 1/5 of the same apple. What fraction of the apple was eaten?

SUBTRACTION OF FRACTIONS

Examples

1. $\frac{4}{7} - \frac{3}{7} = \frac{4-3}{7}$

   $= {}^{1}/_{7}$

2. $^{8}/_{10} - {}^{4}/_{10} = \frac{8-4}{10}$

   $= {}^{4}/_{10}$

ACTIVITY

Subtract these fractions

1. $^{3}/_{6} - {}^{1}/_{6} =$
2. $^{6}/_{8} - {}^{4}/_{8} =$
3. $^{9}/_{10} - {}^{6}/_{10} =$
4. $^{5}/_{7} - {}^{1}/_{7} =$
5. $^{8}/_{12} - {}^{4}/_{12} =$
6. $^{4}/_{5} - {}^{2}/_{5} =$

Word problems involving fractions in subtraction

1. A boy had $^5/_6$ of a cake. He ate $^2/_6$ of it. What fraction remained?

   $^5/_6 - {}^2/_6 = \frac{5-2}{6} = {}^3/_6$

ACTIVITY

1. A girl had $^4/_4$ of an orange. She gave way ¾ of it. What fraction remained?
2. What is the difference between $^{11}/_{12}$ and $^6/_{12}$?
3. What is the difference between $^5/_7$ and $^3/_7$?
4. A pupil did 5/9 of his homework. What fraction of the homework was left?

Reference: Primary Mathematics 2000 book 3 page 108.

Multiplication of fraction

Examples

1. $\frac{2}{3} \times ½ = \frac{2 \times 1}{3 \times 3}$

   $= \frac{2}{6}$

2. $^2/_3 \times ¾ = \frac{2 \times 3}{3 \times 4}$

   $= \frac{6}{12}$

ACTIVITY

Multiplication of fractions.

Example

1. $^1/3 \times {}^5/_6$
2. ¾ x $^5/_6$
3. ½ x ½
4. $^2/_3$ x ¼
5. $^3/_5$ x ½

6. $^1/_7$ x ½

7. $^1/_7$ x $^1/_3$

Lesson

Addition with carrying

Example

$$\begin{array}{r} 3\ 4 \\ +\ 1\ 7 \\ \hline 6\ 1 \end{array} \qquad \begin{array}{r} 8\ 7 \\ +1\ 3 \\ \hline 1\,0\,0 \end{array}$$

Activity

$$\begin{array}{r} 2\ 8 \\ +1\ 3 \\ \hline \end{array} \qquad \begin{array}{r} 3\ 6 \\ +\ 1\ 5 \\ \hline \end{array} \qquad \begin{array}{r} 2\ 4 \\ +\ 2\ 6 \\ \hline \end{array} \qquad \begin{array}{r} 3\ 7 \\ +\ 2\ 3 \\ \hline \end{array} \qquad \begin{array}{r} 5\ 9 \\ +\ 1\ 1 \\ \hline \end{array}$$

Standard learning bk 2 pg 13 and 12

Word problems

Example

Marylyn has 26 apples and Reja has 35 apples.

How many apples do they have altogether?

$$\begin{array}{r} 2\ 6 \\ +\ 3\ 5 \\ \hline \end{array}$$

Activity

1. P.1 has 46 pupils and P.2 has 35 pupils.
   How many pupils are in P.1 and P.2?

2. Mary has 95 pans and Ali has 17 pans.

   How many pans do they have altogether?

Multiplication with carrying

Examples

$$\begin{array}{r} 2\ 3 \\ \times\ 4 \\ \hline \end{array} \qquad \begin{array}{r} 3\ 2 \\ \times\ 5 \\ \hline \end{array}$$

Activity

3 5 X 2 _____ _____	4 3 x 5 _____ _____	2 2 x 5 _____ _____
4 9 X 2 _____ _____	2 6 x 2 _____ _____	2 5 x 2 _____ _____

Algebra

Finding missing numbers (addition)

Examples

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

12 – 2 = 10

Activity

Find the missing numbers.

$\square$ + 3 = 7 $\square$ + 2 = 2 $\square$ + 0 = 8

5 + $\square$ = 9 7 + $\square$ = 10

More

Mk maths bk 2 pg 99- 100

Lesson

Finding missing number (subtraction)

Examples

6 - ☐ = 0 ☐ 10 - 3 = 7

6 – 0 = 6 3 + 7 = 10

8 - ☐ 3 = 5

8 - 5 = 3

Activity

Find the missing numbers

☐ - 4 = 6 ☐ 8 - = 2

10 - ☐ = 1 4 - ☐ = 3 7 - ☐ = 0

More

Mk math bk 2 pg 101

Understanding MTC bk 2 pg 98.

Lesson

Finding missing numbers (multiplication)

Examples

☐ 3 x 2 = 6 4 x ☐ 3 = 12

6 ÷ 2 = 3 12 ÷ 4 = 3

☐ 2 5 x = 10 10 ÷ 5 = 2

ACTIVITY

☐ ☐ ☐

x 3 = 5 x 3 = 9 6 x = 12

1 x ☐ 7 5 x = ☐

Fill in the missing numbers

☐ + 3 = 9

Finding missing numbers (division)

Example

1. 9 ÷ 3 = 3 20 ÷ 4 = 5

   9 ÷ 3 = 3 20 ÷ 5 = 4

2. 10 ÷ 2 = 5 2 x 5 = 10

Activity

☐ ÷ 2 = 6 ☐ ÷ 2 = 4 16 ÷ ☐ = 4

4 ÷ ☐ = 2 ☐ ÷ 2 = 3 12 ÷ ☐ = 6

More

Money

Recognition of money

Money is a medium of exchange

Uganda money is called shillings/ or shs. Means shillings

There are two forms of money

1. Paper money
2. Coin money

Paper money Coin money

1000/= note	50/= coin
2000/= note	100/= coin
5000/= note	200/= coin
10,000/= note	500/= coin
20,000/= note	
50,000/= note	

Features found on money

50/= a head of a cow

200/= a fish

500/= a head of a crested crane

1. Name the animal found on the 200/= coin which has a picture of a fish?
2. Which coin has a picture of a fish?
3. Draw the pictures of:

   One hundred coin

   Two hundred coin

Lesson

Addition of money

Examples

sh	**sh**		
Sh. 30	20	250	sh. 400
+ sh. 40	+ 80	+ 300	+sh. 300
sh.70	100	550	700

Activity

Sh	sh.	Sh.	Sh.
60	35	300	40
+20	+62	+200	+10

Sh. 500 sh. 450

Sh. 300 sh. 200

Mk maths bk 2 page 127
Standard learning bk 2 page 36

More addition of money
Examples
Sh. 30 + sh. 10 = sh. 40

30

10

40

2. sh. 25 + sh. 60 = sh. 85

25

60

85

3. Sh. 2 + sh. 5 = sh. 7

Activity

1. sh. 50 + sh. 5 = sh.____
2. sh. 30 + sh. 30 =sh.____
3. sh. 30 + sh. 30 = sh.____
4. sh. 25 + sh. 10 = sh.____

Lesson

Word problem
1. Floura has 200/= and Mutual has 300/=
How much money do they have altogether?

500/=
200
300
500

2. Ali brought 450/= and Peter brought 400/=. How much did both bring?

450
400
850

They brought 850/=

Subtract of money

Example

1. Sh.500
- Sh.200
Sh.300

2. Sh.450
- Sh.250
Sh.200

3. Sh.40
- Sh. 10
Sh. 30

Sh. 350 – sh. 200 = sh. 150

350
- 200
150

Activity

1. Sh.20
- Sh.10

2. Sh.400
- Sh.200

3. Sh.900
- Sh.800

Word problem

1. Mummy had 500/=. She brought a cake of 300/=. How much did she remain with?

500/=
- 300/=
200/=

She remained with 200/=

Activity

1. Mary had 300/= and she lost 100/=. How much is she having now?
2. Joan had 950/= and she bought bread at 500/=. How much did she remain with?

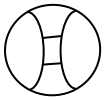
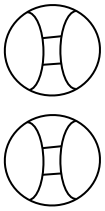
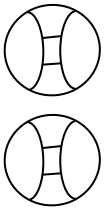
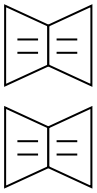
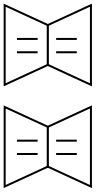
Multiplication of money

sh.200 x2 _____	sh.200 x 3 _____	sh.50 x 2 _____
sh.50 x3 _____	sh.250 x 2 _____	

Word problems in multiplication of money

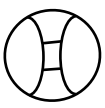
MK Maths Bk2 Pg.125

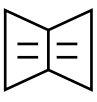
Complete the table

	By adding	By multiplying
Sh. 200 	 Sh.200 +200 _____	 Sh.200 X 2 _____
50/= 	 Sh. 50 Sh.50 sh. _____ sh. 150	Sh. 50 x3 _____
300/= 	 300 + 300 _____ 600 _____	 300 x2 _____ 600 _____

Shopping bill

Use the pictures below to answer the questions.


Ball
500/=


Book
200/=


Sweet
50/=

Questions

1. How much will you pay for a book?
   200/=
2. Which item is cheap?
   A sweet
3. Which item is expensive?
   A ball

More shopping bill

Mercy went for shopping and the items were sold as below.

A ruler - 500/=
A file costs - 200/=
A book costs - 300/=
A pencil costs - 50/=

1. How much did she pay for 2 books?

   300
   300
   600

2. Which item is expensive?
   A ruler

More work in;
MK Maths Bk2 Pg.128

TELLING TIME

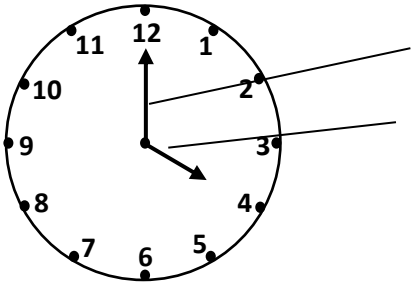
There is 24 hours in a day.
1 hour has 60 minutes

Things used to tell time.

- Sun
- Watches and clocks
- Shadow

There are two major hands on a clock face i.e;

- The minute hand
- The hour hand



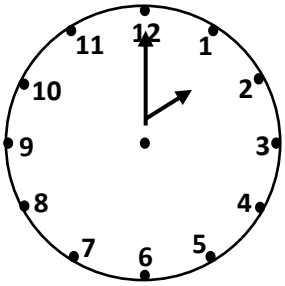
Minute hand

Hour hand

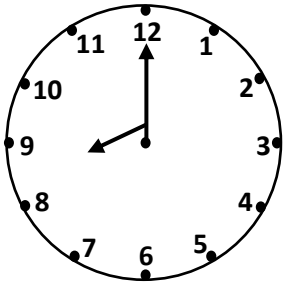
Telling exact time

When the long hand points at 12. We say;

Examples



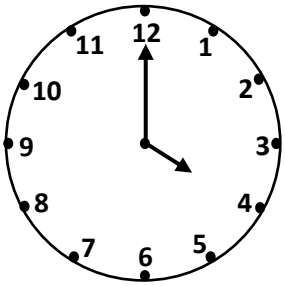
It is **2** o'clock



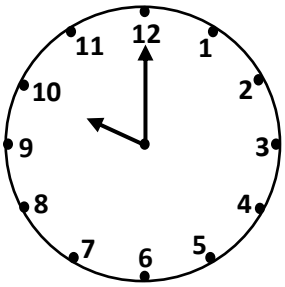
It is **8** o'clock

Activity

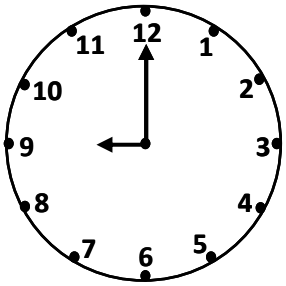
What is the time?



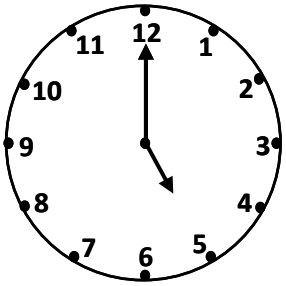
It is ____ o'clock



It is ____ o'clock



It is ____ o'clock



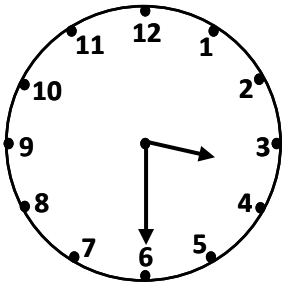
It is ____ o'clock

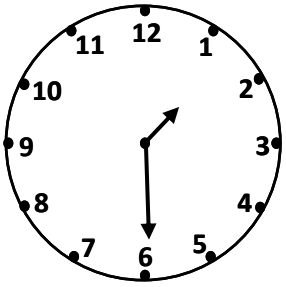
Standard learning Bk2 Pg45
MK Maths Bk2 Pg. 131

Telling time at a half past

When the long hand points to 6, we say a half past. A half past an hour has 30 minutes.

Example



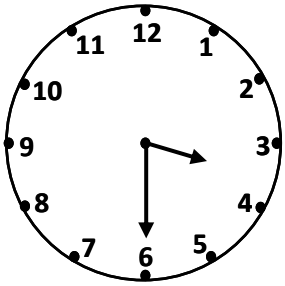


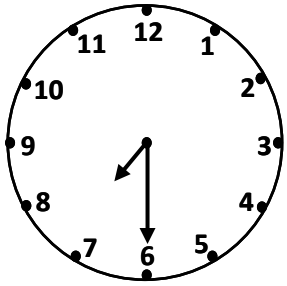
It is a half past 3

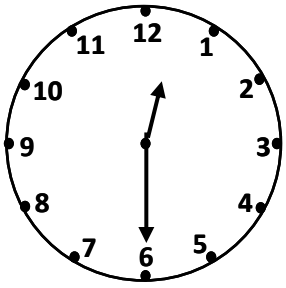
It is a half past 1

Activity

What is the time?







It is _____

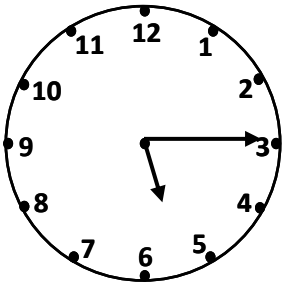
It is _____

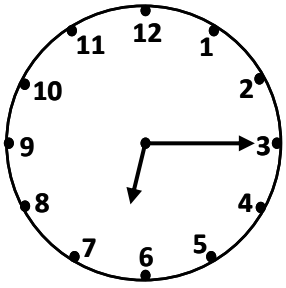
It is _____

Telling time at aquarter past

When the long hand points to 3, we say a quarter past.

Examples



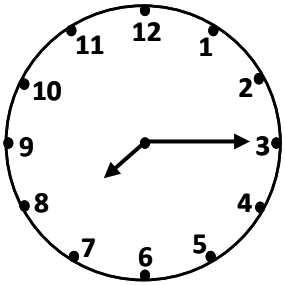


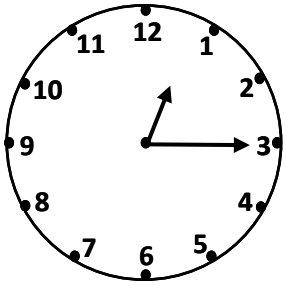
It is aquarter past 5

It is a quarter past 6

Activity

What is the time?

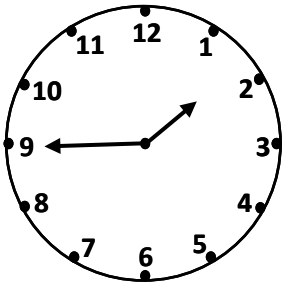


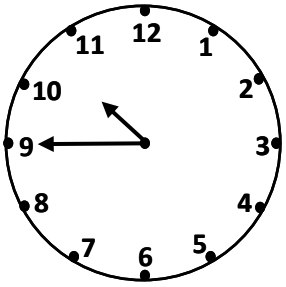


It is a quarter past _____ It is a quarter past _____

Telling time at a quarter to

Examples





Activity

Show the following time on the clock face.

a) A half past 5
b) It is 4 o'clock
c) It is 9 o'clock
d) It is a half past 2
e) It is 11 o'clock

Days of the week

There are seven (7) days in a week. These are;

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Activity

1. What is the last day of the week?
2. Write the first day of the week.
3. Fill in the missing letters
   a) M ___ nday b) Frid ___ y c) Thu ___sday
4. Write true or false
   a) A week has 12 days
   b) Tuesday is the third day of the week.
   c) The word Friday has 6 letters.
   d) Saturday is the last day of the week.
5. Write correctly.
   a) dayTues b) daySun
   c) dayMon d) dayWednes
6. Which day comes before Tuesday?
7. Which day comes after Thursday?
8. On which day do Christians go to church?
9. If today is Saturday, tomorrow will be a _____
10. On which day do Muslims go for Juma prayers?
11. How many days make 2 weeks?
12. What is the third day of the week?

Months of the year

There are 12 months in a year.

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Activity

1. Fill in the missing letters

a) Janu___ ry b) Febr___ary

c) M___y

2. Write in full

a) Dec. b) Jan.

3. In which month do we celebrate Christmas?
4. What is the sixth month of the year?
5. How many months make a year?
6. How many months have 30 days in a year?
7. How do we call a year having 28 days in the month of February?

The calendar

Use the month of July below to answer the questions.

Sun		6	13	20	27
Mon		7	14	21	28
Tue	1	8	15	22	29
Wed	2	9	16	23	30
Thur	3	10	17	24	31
Fri	4	11	18	25	
Sat	5	12	19	26	

Questions

1. How many days has the month?
2. Which month is shown above?
3. How many Sundays are in the month?
4. When did the month start (day)?
5. Which day was 10th?
6. When was the 2nd Tuesday?
7. What is the next month?

Measuring weight

Weight is the heaviness or lightness of something. The standard unit is grams

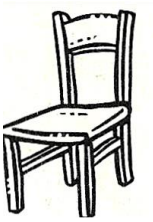
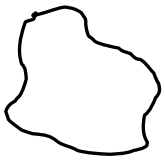
Weight is measured in kilograms (kg)

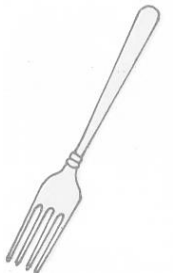
Weight is measured using a weighing scale

Something measured in kilograms

- Sugar
- Beans
- Rice
- Millet
- Posho e.t.c

Comparing weight using heavier and lighter



1. Which of the above is lighter?
2. Which of the above is heavier?

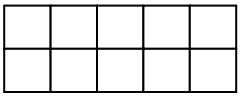
Measuring area

Area is the space covered by an object.

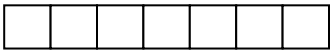
Area is measured in square units.

Measure the area by counting squares.

Examples

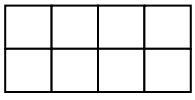


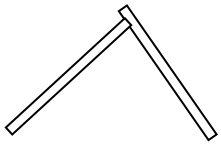
= 10 square metres



= 7 square metres

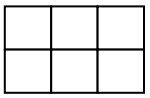
3. How many square metres cover this blackboard?

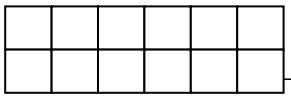


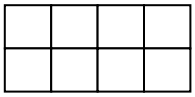


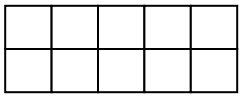
Activity

Count the squares and tell the area.

 = ____



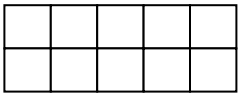
 = _____

 = _____

Measuring area

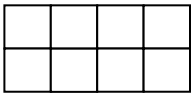
Finding area by multiplying

Examples

 2cm

A = L x W
A = 5 x 2
A = 10 square units

4cm

 3cm

A = L x W
A = 4 x 3
A = 12 square units

 3m

6m

A = L x W
A = 6 x 3
A = 18 square units

 4cm

A = L x W
A = 8 x 4
A = 24 square units

Activity

Find the area by multiplying

3cm

5cm

2m

8m

4cm

10cm

5m

6m

Filling in the missing numbers (multiplication)

Examples

1. 2 x 2 = 4

   4 ÷ 2 ☐ = 2

2. 7 x 3 = 21

   = 21 ÷ 7

   ☐ = 3

ACTIVITY

Find the missing numbers

1. ☐ x 2 = 6
2. ☐ x 5= 10
3. 2 x ☐ = 12
4. ☐ x 3 = 15
5. 1 x ☐ = 3
6. ☐ x 5 = 20
7. 3 x ☐ = 9
8. ☐ x 4 = 12

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Filling the missing numbers

(Division statements)

Examples

1. 16 ÷ 4 = 4

   4 x 4 = 16

2. 20 ÷ 4 = 5

   20 ÷ 5 = 4

ACTIVITY

Find the missing numbers

1. ☐ ÷ 2 = 6

2. 4 ÷ ☐ = 1

3. 8 ÷ ☐ = 4

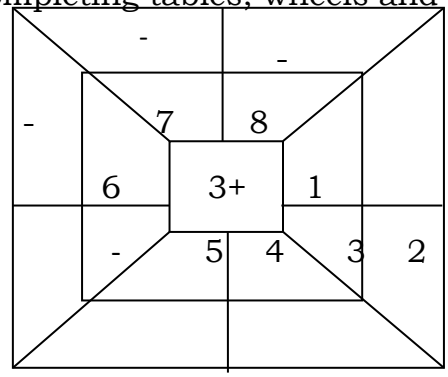
4. 12 ÷ ☐ = 6

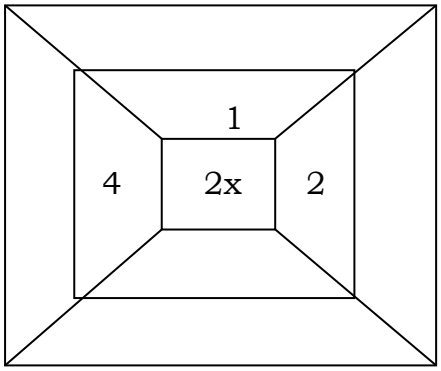
5. ☐ ÷ 3 = 3

6. 8 ÷ ☐ = 4

7. 12 ÷ 3 = ☐

Completing tables, wheels and circles





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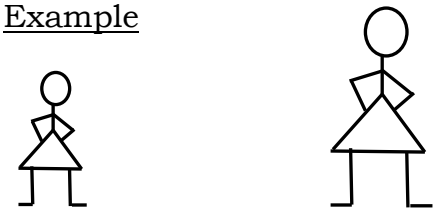
MEASURING HEIGHT

Height is the tallness or shortness of something.

Compare height using taller than or shorter than

Example



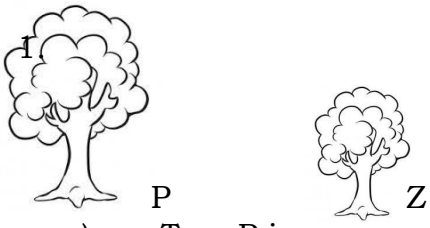
Alupo Akit

a) Alupo is shorter than Akit.
b) Akit is taller than Alupo.

Activity

Use taller than or shorter than

1.



P Z

a) Tree P is _____ tree Z.

b) Tree Z is _____ tree P.

2.

X Y

a) Stick Y is _____ stick X

b) Stick X is _____ stick Y

More work on Primary School Curriculum Bk2 Pg.15

END