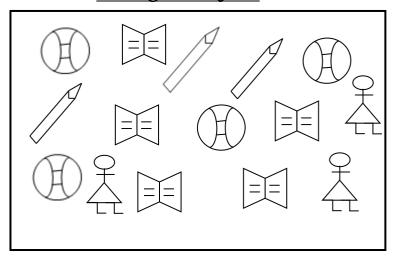
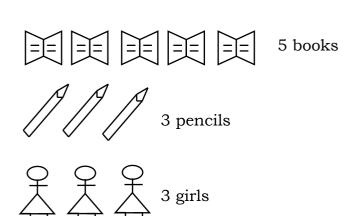
P.1 MATHEMATICS LESSON

LESSON 1: Sorting real objects

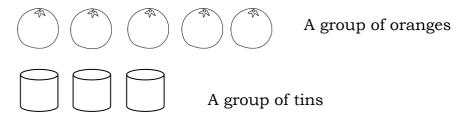


- 4 balls
- 3 pencils
- 3 girls
- 5 books





Naming different groups



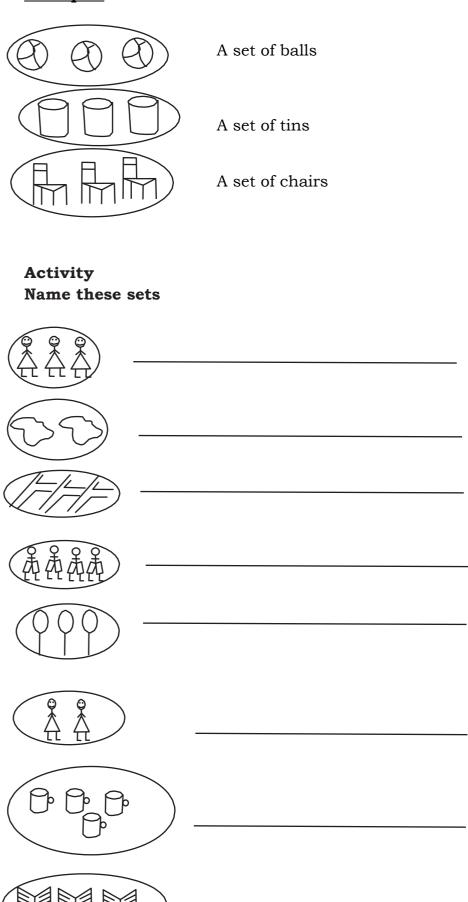
A SET

A set is a collection of well defined elements.

A set is a collection of things put together.

Things found in a set are called members/elements.

Naming sets Examples

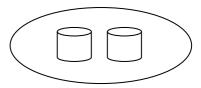


Read and draw sets

A set of 3 trees.



A set of 2 tins.

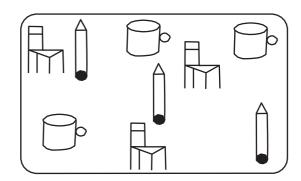


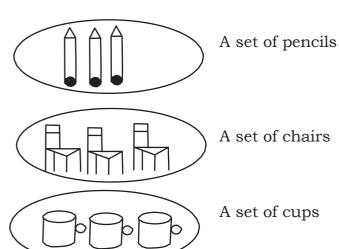
Activity

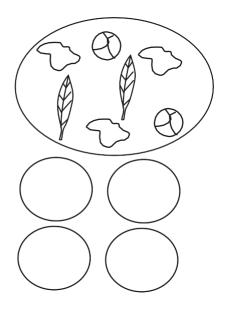
Draw these sets

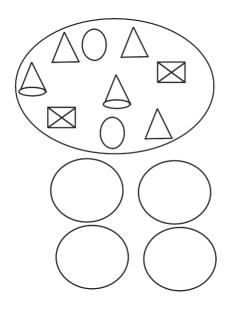
- a) A set of 5 balls.
- b) A set of 3 pencils.
- c) A set of 1 book
- d) A set of tables

Forming and drawing sets

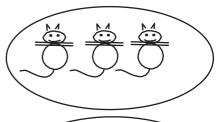








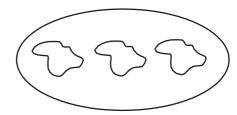
Counting members in a set Examples



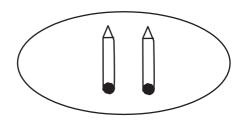
A set of three cats



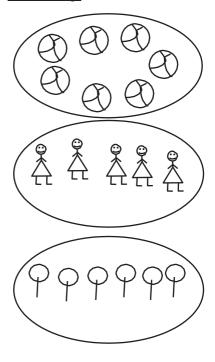
A set of 4 leaves



A set of 3 stones



A set of 2 pencils



Empty sets

An empty set is a set without members \emptyset or $\{\ \}$ is a symbol for an empty set

Examples

1) A set of birds driving cars.

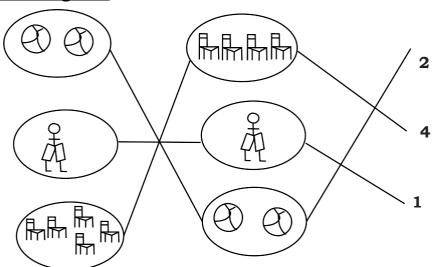


2) A set of boys with wings
{ }

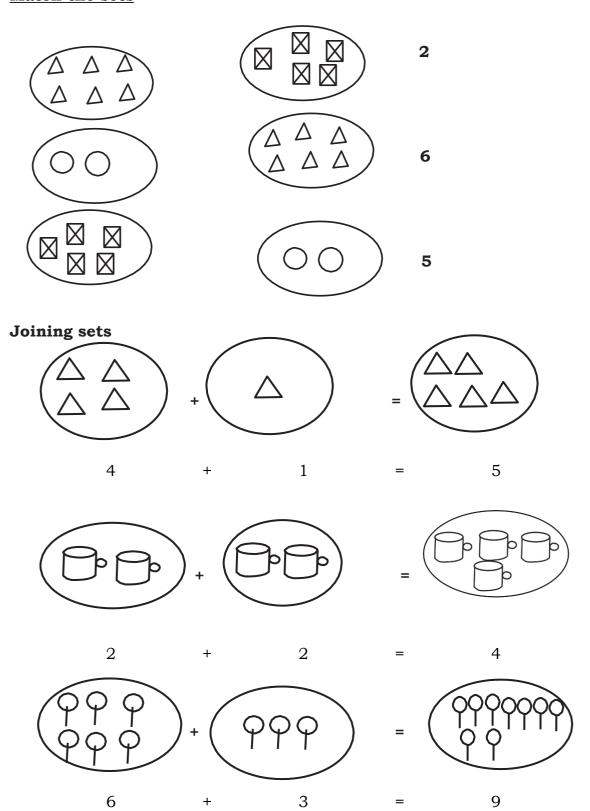
Activity

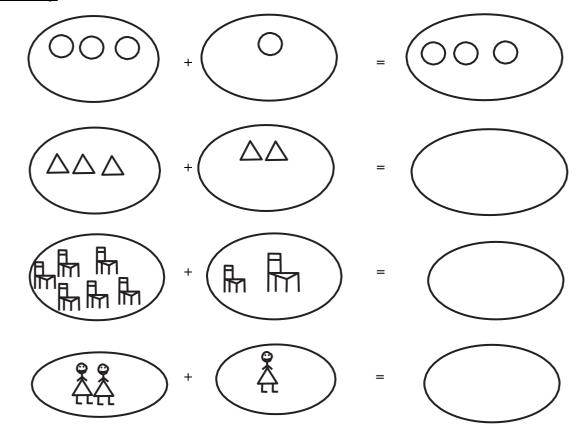
- a) A set of snakes with two legs
- b) A set of men with nine eye

Matching sets

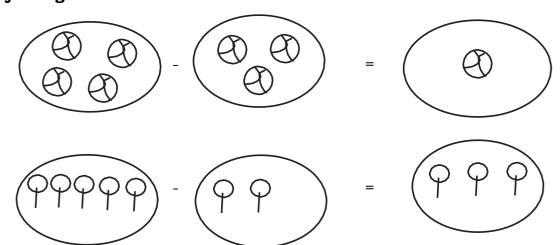


Activity <u>Match the sets</u>

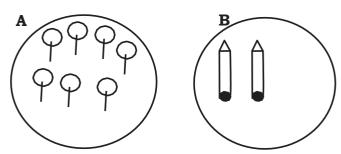




Disjoining sets

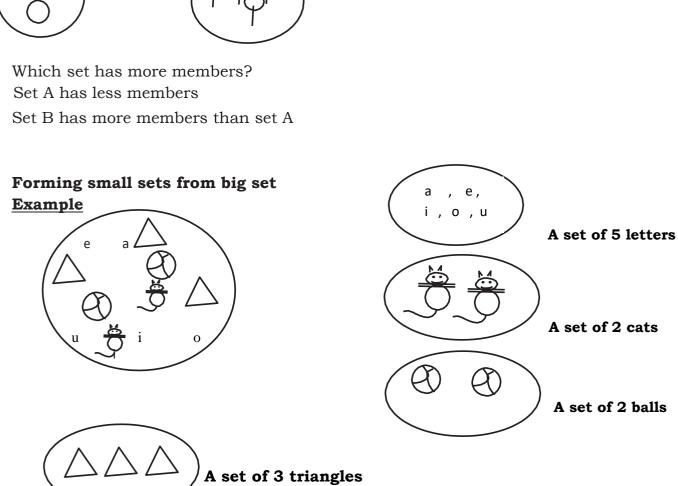


Comparing elements in a set (less or more)

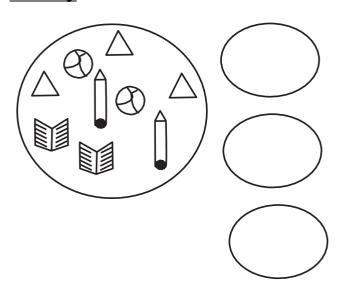


Which set has more members?
Set A has less members
Set B has more members than set A

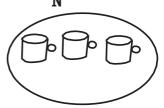
Activity A B

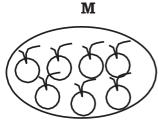


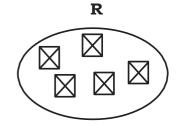
Activity

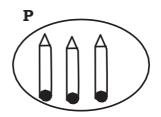


Ordering sets









M comes first (1st)

____Comes second(2nd)

____Comes third (3rd)

____Comes fourth(4th)

THEME - NUMERACY

Counting numbers from 0-49

Whole numbers

0,1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26, 27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

Activity

Fill in the missing numbers

Counting from 50-99/100

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 89 90 91 92 93 94 95 96 97 98 99 100

Activity

Fill in the missing numbers

Finding the number before

Write the number before

4	12	17
19	20	1
35	10	8

Finding the number that comes after

2,3	15,16	8,9
7,8	69,70	
10,11	99,100	

Numbers which come between

0 1 2	30	31	32
3 4 5	15	16	17
7 8 9	14	15	16
10 11 12			

Activity

Fill in the number between

4	_6	8	16	7	9
7	9	13_	15	10_	12
15	17	3	5	0	2

Arranging numbers in ascending order

10, 6, 2, 1	10	6	2	1
1, 2, 6, 10	1	2	6	10
8, 3, 5, 4	8	8	10	9
3, 4, 5, 8	7	8	9	10
Activity				

Activity

6, 1, 3, 4	7,	9,	6,	4	
8, 2, 4, 20	9,	10,	11,	, 0	
0, 3, 1, 4	4,	3,	7,	6,	5

Arranging numbers in ascending order

4, 8, 6, 7	0, 3, 2, 1
8, 7, 6, 4	3, 2, 1, 0

Activity

11001110					
10, 9, 11, 12	10	9	12	13	
15, 16, 17, 18	1	2	3	4	5
8, 10, 6, 4,	3	4	5	6	7
6, 4, 7, 1					

Circling the small number

Examples

Activity

② or 3	6 or 9
⑦ or 17	9 or 3
40 or ④	8 or 4
4 or ②	4 or 1
③ or 7	20 or 30
⑦ or 13	14 or 15

® or 81

Number names/words

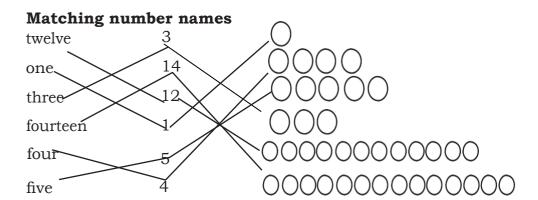
0- zero	8- eight	14- fourteen
1- One	9- nine	15- fifteen
2- two	10- ten	16- sixteen
3- three	11- eleven	17- seventeen
4- four	12- twelve	18- eighteen
5- five	13- thirteen	19- nineteen

6- six

7- seven

20-twenty

Write the following in words



Match correctly

two	19	18	eleven
three	12	14	twenty
thirteen	2	17	eighteen
twelve	3	20	fourteen
nineteen	13	11	seventeen

Number names from 10-100 (counting in tens)

10- ten 60-sixty

20- twenty 70- seventy

30-thirty 80-eigthy

40- forty 90- ninety

50-fity 100-one hundred

Activity

Write in words

40	_79	_20
80	_12	_13
70	_100	_40
88	_76	_55

Number names from 20-30

20 twenty 25- twenty five

21 twenty one 26- twenty six

22 twenty two 27- twenty seven

23 twenty three 28- twenty eight

24 twenty four 29- twenty nine

25 twenty five 30- thirty

Write in words

21 _____ 28 ____

27 _____ 29 ____

24______ 22 _____

23______ 25_____

Fill in the missing letters

twetyf ___ r twen __yn__n __

Twenty s_v __n Number words from 30-39

thirty thirty seven thirty one thirty eight

Thirty two thirty nine

Thirty three

Thirty four

thirty five

thirty six

Match the following correctly

thirty two 35 thirty eight 30 thirty 32 38 thirty five 39 thirty nine

Number names from 40-49

40 -forty

41 -forty one

42-fortytwo

43-fortythree

44-forty four

45- forty five

46-forty six

47- forty seven

48-forty eight

49-forty nine

Write	e the following	in words	Match	
48	42	43	Forty	44
44	49	.0	Forty one	40
46	47		Forty four	41

48	42	43	Forty	40
44	49		Forty one	70
46 47			Forty four	41
Filling in	ones			
0			=1 ones	
00			=2 ones	
000			=3 ones	
000	0		=4 ones	
0000	0		=5 ones	
Activity Fill in con	rrectly		=6 ones	
0000		=_	ones	
0		=_	ones	
000		=_	ones	

=___ones

Drawing ones

$$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$$
=9 ones

$$\bigcirc$$
 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc = ___ones

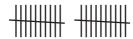
Draw ones

- 8ones =
- 4ones =
- 9ones =
- 5 ones =
- 6 ones =
- 1ones =
- 7ones =
- 3ones =
- 2ones =

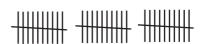
Drawing tens



=1 tens



= 2 tens



= 3 tens

Activity

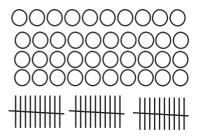
1.Fill in the missing tens

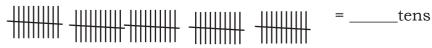


= ____tens



= ____tens





2. Draw the tens

2tens=

5tens=

7tens=

4tens=

1tens=

6tens=

Filling in tens and ones

64 = 6 tens 4 ones

7 tens 0 ones = **70**

8 = **0** tens **8** ones

4 tens = **40**

3 ones = 3

Activity

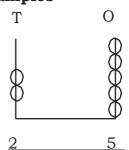
Fill in the missing tens and ones

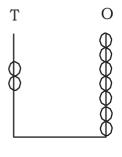
Drawing tens and ones

Draw bundles

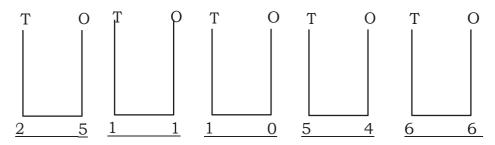
- 13 =
- 05 =
- 40 =

Showing numbers on the abacus Examples

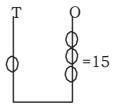


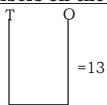


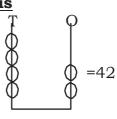
Complete the following



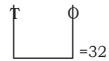
Representing numbers on the abacus





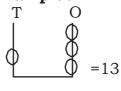


Activity



Writing place values of the circled digits

Examples



- b) 4 5
- c) 6 4 Tens
- d) (1) 7 Tens

What is the place value of the circled numbers?

- 9 4
- 7
- 2
- 1

- 8
- (2)
- 5 4
- (2)
- 5

3

0

3

Writing place values of the underlined numbers

Examples

Exercise

Write the place values of the underlined numbers

- 3 0 ones
- 5 1 ones
- 8 7 tens
- 6 3 tens

Addition of one digit number horizontally

Examples

$$0000 \quad 00 \quad 00 \quad 4 \quad + \quad 2 \quad + \quad 2 \quad = \quad 8$$

Activity

Examples

Addition involving words

Examples

- 1. 1book plus2 books equals 3 books
- 2. 5bags +3 bags = 8bags
- 3. 3 boys plus2 boys give 5boys

Activity

- 1. 3 girls plus 2 girls equals
- 2. 1 box plus 4 boxes equals
- 3. 4 tables plus5 tables equals
- 4. 9 pencils plus 0 pencils equals
- 5. 3 boys plus 2 boys give
- 6. Apio has 3 tins. Aisha has 4 tins. How many tins do they have altogether? Kate has 2 dusters. Jane has 8dusters. Howmany dusters do they have altogether?

Addition of two digit number vertically

Example

Activity

Addition of numbers involving words

Mary has 6 pots. Ivan has 6pots. How many pots do they have altogether?

6pots + 6pots= 12pots

Jady had 3 cups. Daddy gave her 7 more pots. How many pots did she have altogether?

3cups +7 cups =10 cups

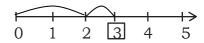
Activity

- 1. Musa had 8apples. Ali gave more 8 apples. How many apples did he have altogether?
- 2. Who has more apples?
- 3. Liz ate 12 eggs in the morning. Lisa ate6eggs.
- a) How many eggs did the two eat altogether?
- b) Who ate more eggs?
- c) Who ate less eggs?
- 4. Daddy has three baskets. Mummy has six baskets. How many baskets do they have altogether?

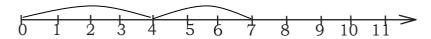
Addition using a number line

Examples

$$2 + 1 = 3$$

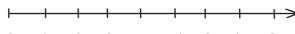


$$4 + 3 = 7$$



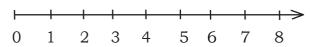
Activity

Add using a number line



$$0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8$$

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



Subtraction of one digit number horizontally

Examples

a)
$$4 - 2 = 2$$

Activity

Subtraction of numbers without regrouping

Examples

d)6-4=2

Activity

Subtraction of numbers involving words

Examples

Four take away two equals

two Six minus six equals zero

Seven take away two equals five

Ten minus seven equals three

Mother had eight eggs. She gave away one egg to Mary. How many remained?

8eggs - 1 egg = 7eggs

Activity

- 1. Eight take away four equals
- 2. Ten minus seven equals
- 3. Twelve takeaway three equals
- 4. Four takeaway two equals
- 5. Two minus two equals

Subtraction of two digit numbers vertically

Examples

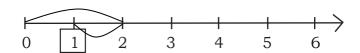
Activity

Word problems involving subtraction of numbers

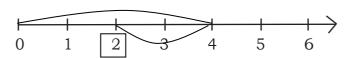
Eleven take away four = 7 seven 11 - 4 = 7

Four take away zero equals four 4 - 0 = 4

Subtraction using a number line



$$4-2=2$$



Subtract using a number line

4-2=

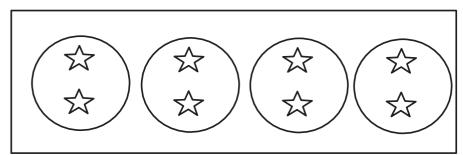
5-3=

6-4=

7-3=

Ringing/forming groups

Examples



4groups

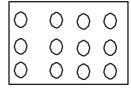
How many groups have you made?

4groups

How many stars are there altogether?

Activity

Form groups of 4



- a) How many groups have you made?
- b) How many eggs are they altogether?

Drawing groups

Examples

- 1. 2groups1=2 (0) (0)
- 2. 3groups2=6 00 00 00
- 3. 2groups2=4 00 00

3 Groups of 2

6 groups of 2

4Groups of 2

3 groups of 3

5 Groups of 2

2 groups of 1

Multiplication of one digit horizontally

2x1=2





4x2=8



4x3=12



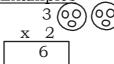
Activity

Work out the following

3x3=

Multiplication horizo

Examples



Activity Multiply

3 x 2





Multiplication of two digits vertically

Word problem solving

Examples

One bird has two eyes. How many eyes do 3 birds have?

2 = 6 = 6

Word problem involving multiplication of numbers

Examples

- One bird has two eyes. How many eyes do3birdshave?2eyesx3=6 eyes
- 2. How many legs do four boys have?



4x2=8legs =8 legs

Activity

- 1. How many fingers do three grandmothers have?
- 2. One girl has two ears. How many earsdo5 boys have?
- 3. Four balls are put in each basket. How many balls will be in 2 baskets?
- 4. Two beads are put on each string. How many beads will beon8 strings?
- 5. Four times two equals

Word problem solving

Examples

- One bird has two eyes. How many eyes do 3 birds have?
 eyes x3 = 6 eyes
- 2. How many legs do four boys have4x2=8legs

Activity: MK MTCbookpage44

Multiplication of 3 digit numbers

Examples

$$\begin{array}{c|c}
3 00 \\
x 2 \\
\hline
6 0 0
\end{array}$$

Activity

Counting in twos

Examples

2two =2+2=4

3twos = 2 + 2 + 2 = 6

3twos =2+2+2=6

2+2+2+2 =4 twos=8

2+2+2+2+2 = 5 twos = 10

Activity

 9two=
 3twos=

 4 twos=
 6twos=

 5 twos=
 7twos=

 3twos=
 8twos=

Multiplication of 2 as repeated addition

Examples

2+2+2+2=2x3=6

2+2=2x2=4

Activity

Multiply 2 as repeated addition

2+2+2 = ____ = ____

2+2+2+2= ___x ___

2+2+2+2= ___=

2+2= ___ x ____

2+2+2= ____ = ____

2+2+2+2+2= ____

Application of multiplication

Two twos are four

Three twos are six

One two is two

Five twos are ten

Ug. Primary MTC bk1 page 60 New MK bk1 pg83-84

Activity

Multiply

Two twos= Seven twos = Four

twos = Nine twos = Six twos = Five twos =

Counting in threes

- 1 three = 3
- 2 threes=3+3=6
- 3 threes=3+3+3=9
- 4 threes=3+3+3+3=12

Complete

10 threes=

- 5 threes=3+3+3+3+3=
- 6 threes=
- 7 threes=3+3+3+3+3+3+3=
- 9 threes=
- 8 threes=3+3+3+3+3+3+3+3=
- One three=

Counting in fives

Examples

- 0,5, ____ ,15,20,25,30,35
- 10,15,20,25,30,35
- 25,30,35,40,45,50,55

Activity

Count in fives

30, ____,40,50

- 5,10,15,20,25, ____, ___,35
- 15, ____,
- ,30 , _____, 50,55,____,____,70, ____
- 20, ____,30, ____,40
- 90,85,80,___,70

Application of multiplication

- One five is five
- 5x1=5
- Two fives are ten
- 5x2=10
- Three fives are fifteen
- Four fives are twenty five
- Five fives are twenty five

Activity

- Six fives =
- 10 fives =
- Seven fives =
- 2 fives =
- Eight fives =
- Nine fives =

Counting in tens

- 1 ten = 10
- 2tens=10+10=20
- 3tens=10+10+10=30
- 4tens=10+10+10+10=40
- 5tens=10+10+10+10+10=50

Fill in missing tens

10,20,30,____,____,60

30,___,___,60,___,80

100,90,80,70,__,__,

22,33,___,___

Ordinary numbers

1-1st

2-2nd New MKPr. Maths pupils book page 102-103

3-3rd

4-4th

5-5th

6-6th

7-7th

8-8th

9-9th

10-10th

Activity

Match correctly

	7	
1	6th	second
4	3rd	fourth
2	1 st	sixth
3	4 th	third
6	2^{nd}	first

Write in words

 $\begin{array}{c} 11^{th} \\ 7^{th} \end{array}$

14th

9th

25th

Writing ordinal number in words

1 st first	7 th seventh	12 th twelfth
2 nd second	8 th eighth	13 th thirteenth
3 rd third	9 th ninth	14 th fourteenth
4 th fourth	5 th fifth	6 th sixth

Fill in the missing letters

fi_st sixt_ n

S __co __ d

Th__ _d

Write in words

 $2^{nd} \hspace{1cm} 1^{st} \hspace{1cm} 4^{th}$

10th 9th 3rd

Identifying shapes Examples



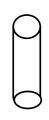
Circle



Oval



Cone



Cylinder



rectangle



square



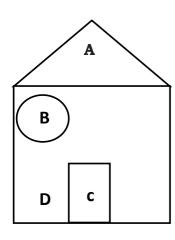
Name the following





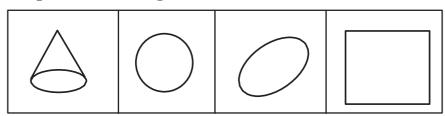


Naming shapes

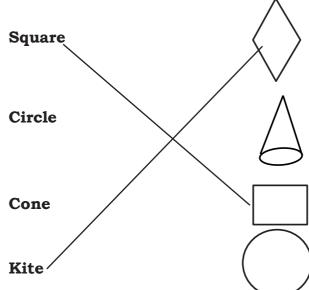


- A. triangle
- B. Circle
- C
- D_____

Drawing these shapes and tracing



Reading and matching sorting objects Example



GRAPHS

Pictorial graph

Five children were asked to pick flowers

Tom	
Ali	
Tina	
Paul	
Peter	

- a) Who picked more flowers?
- b) ____ and ___ have the same number of flowers.
- c) Who has two flowers?
- d) Who picked few flowers?
- e) How many flowers do they have altogether?

Drawing picto graphs

Four girls were given books as follows.

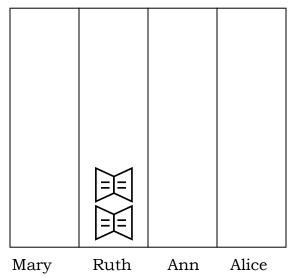
Mary got 4 books

Ruth got 5 books

Ann got 2 books

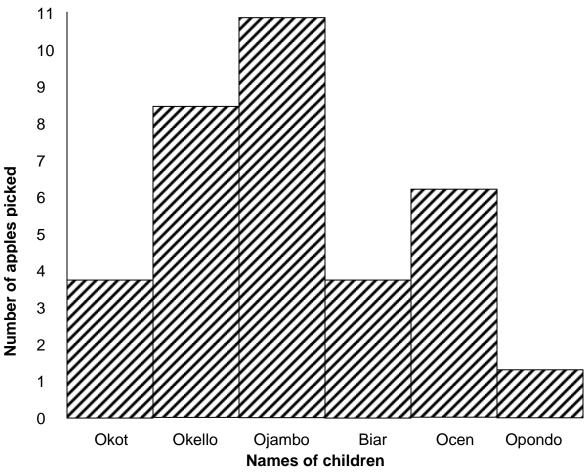
Alice got 3 books

Complete the picture graph below.



BAR GRAPH

Study the bar graph below and use it to answer the questions that follow.



- a) How many children got apples?
- b) Who picked the biggest number of apples?
- c) Who picked the same number of apples?
- d) Who picked the smallest number of apples?
- e) ____ picked seven apples.
- f) Who picked six apples?

TERM TWO

FRACTIONS

Definition of a fraction and examples.

A fraction is a part of a whole.







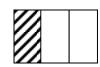


Examples

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



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



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



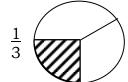
Exercise

Name the fractions

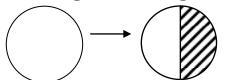
 $\frac{1}{2}$





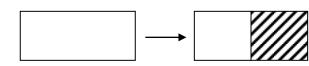


Drawing and shading a half.





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



Exercise













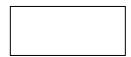


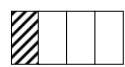




$$\frac{1}{2}$$

Drawing and shading a quarter







¼ a quarter







¼ a quarter

Exercise

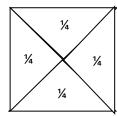


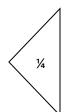




a quarter







Naming fractions

- $\underline{1} \longrightarrow \text{Numerator}$
- $2 \longrightarrow Denominator$

Name the shaded parts



$$\frac{1}{2}$$
(a half)



$$\frac{1}{3}$$
 (a third)



$$\frac{1}{4}$$
 (a quarter)



 $\frac{3}{7}$ (three seventh)

Exercise













Shade the following

<u>1</u> 2



5



3

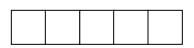


Exercise

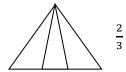
Shade the fractions







3 5



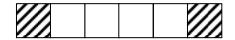
Shaded fractions

Write the shaded fractions



2 4



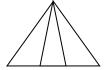


Unshaded fractions

Write the unshaded fractions







Addition of fractions

Add:
$$\frac{1}{4}$$
 + $\frac{2}{4}$ = $\frac{1}{4}$ + $\frac{2}{4}$ = $\frac{3}{4}$

$$\frac{2}{8}$$
 + $\frac{3}{8}$ = $\frac{2}{8}$ + $\frac{3}{8}$ = $\frac{5}{8}$

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

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

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

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

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

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

$$\frac{3}{7} + \frac{2}{7} + \frac{1}{7} =$$

Word problem on addition

Add
$$\frac{1}{2}$$
 and $\frac{1}{2}$

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

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

Find the sum of $\frac{3}{5}$ and $\frac{1}{5}$

$$\frac{3}{5} + \frac{1}{5} = \frac{3+1}{5} = \frac{4}{5}$$

Exercise

Add
$$\frac{3}{7}$$
 and $\frac{2}{7}$

$$=\frac{4-2}{7}$$

$$=\frac{2}{7}$$

$$\frac{6}{8} - \frac{4}{8} = \frac{2}{8}$$

Exercise

$$\frac{5}{7} - \frac{4}{7} =$$

$$\frac{4}{8} - \frac{3}{8} =$$

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

$$\frac{9}{11} - \frac{6}{11} =$$

$$\frac{5}{11} - \frac{4}{11} =$$

$$\frac{3}{4} - \frac{0}{4} =$$

Word problem on subtraction of fractions

Subtraction

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

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

$$\frac{4}{9}$$
 minus $\frac{3}{9}$

$$\frac{4}{9} - \frac{3}{9} = \frac{4-3}{9} = \frac{1}{9}$$

Exercise

Find the difference of $\frac{4}{8}$ and $\frac{1}{8}$

$$\frac{7}{8}$$
 minus $\frac{5}{8}$ equals

$$\frac{3}{4}$$
 take away $\frac{1}{4}$ equals

What is the difference of $\frac{8}{9}$ and $\frac{6}{9}$

MEASURES

Money

Recognizing different money denominations.

Money is a medium of exchange.

There are two forms of money

- 1. Paper money
- 2. Coin money

Paper money (notes)

Examples of money and features on money

50 shilling coin - A head of a Kob

100 shilling coin - A cow

200 shilling coin - A fish

500 shilling coin - A head of crested crane

Notes/paper money

1,000 note

2,000 note

5,000 note

10,000 note

20,000 note

50,000 note

Shs. /= means Shillings

Ref. Understanding Mathematics Bk.1 Pg.14

Addition of money horizontally

Shs.
$$50 + Shs. 50 = Shs. 100$$

$$100/= + 200/= = 300/=$$

Shs.
$$2 + Shs. 4 = Shs. 6$$

Reference MK Old edition Bk 1 Pg.128 New edition Pg.94

Addition of money vertically Examples

Sh. 30	Sh. 20	Sh. 250	sh. 400
+sh. 40	+ <u>Sh. 80</u>	+ Sh. 300	+sh. 300
sh. 70	Sh. 100	Sh. 550	sh. 700

Mk Old edition pupils Bk.1 Pg.127

Word problems involving addition of money

A book costs Sh. 200 How much will I pay for 2 books altogether

Activity

- a) Shs. 200 plus Shs. 400 gives ____
- b) A pencil costs Shs. 100. A ruler costs Shs. 500 How much money do the two items cost altogether?
- c) 400/= plus 300/= equals
- d) Ali had Shs. 100. His dad gave him another Shs. 300 How much money does he have now?

MK Bk 1 Pg.129

Subtraction Money

Examples

Sh.500	Sh.450	Sh.40
- Sh.200	- Sh.250	- Sh. 10
Sh.300	Sh.200	Sh. 30

800/= minus 100/= equals ____ 700/= minus 200/= equals ____ 700/= minus 200/= equals ____

Ref MK pupils book 1 page 130

SHOPPING



- a) How much is a book?
- b) Which item costs shs.100/=
- c) What is the cheapest item?
- d) How much is a cup and a ball altogether?
- e) Which items cost the same amount?
- f) Which item is more expensive?

TIME

Fact about time

There are 24 hours in a day.

There are 60 minutes in 1 hour

There are 60 seconds in 1 minute

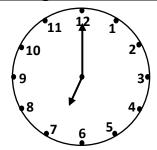
There are two main hands on a clock face

- The minute hand (long hand)
- The hour hand (short hand)

There are two systems of time

- 12 hour clock
- 24 hour clock

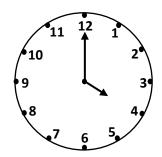
Telling time in full hours (exact time)



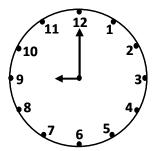
It is 7 o'clock

Activity

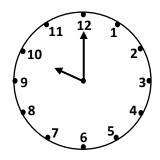
What is the time?



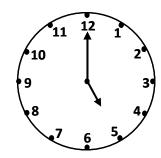
It is ____ o'clock



It is ____ o'clock

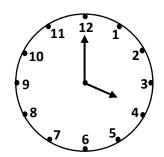


It is ____ o'clock

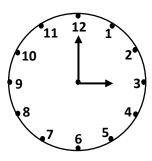


It is ____ o'clock

Showing time in full hours

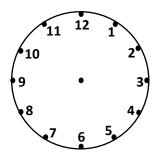


It is **4** o'clock

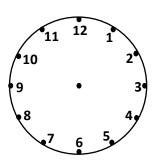


It is **3** o'clock

Activity

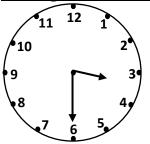


It is 6 o'clock

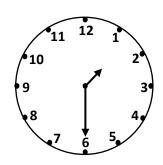


It is 8 o'clock

Telling time in half hours

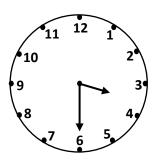


It is a half past 3

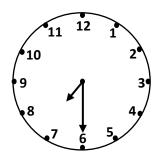


It is a half past 1

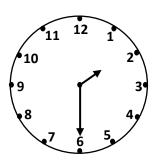
Activity



It is _____

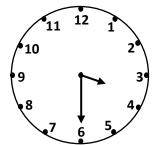


It is _____



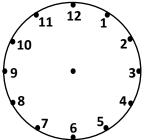
It is _____

Showing time in half hours

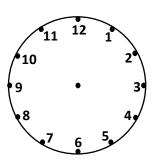


It is half past three

Activity



It is a half past ten o'clock



It is half a half past 1

Complete correctly

1 day 12 months 1 week 60 minutes 1 hour 7 days 24 hours

MK MTC Bk 3 Pg.130

I year

Days of the week

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

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

Activity

- 1. Fill in the missing letters
 - a) M nday

- b) Frid ___ y
- c) Thu ___sday

- 2. What is the last day of the week?
- 3. Write the first day of the week.
- 4. On which day do Christians go to church?
- 5. If today is Saturday, tomorrow will be a _____
- 6. On which day do Muslims go for Juma prayers?
- 7. How many days make 2 weeks?
- 8. What is the third day of the week?

MK MTC Bk.1 Pg. 114 - 116

Positioning days of the week

Sunday first Monday second Tuesday third Wednesday fourth Thursday fifth Friday sixth Saturday seventh

Activity

- 1. What is the second day of the week?
- 2. What is the seventh day of the week?
- 3. ____ is the fourth day of the week.
- 4. If today is Monday, tomorrow will be ____
- 5. Which day comes after Friday?

Months of the year

There are 12 months in a year.

Month	Days
January	31 days
February	28/29 days
March	31 days
April	30 days
May	31 days
June	30 days
July	31 days
August	31 days
September	30 days
October	31 days
November	30 days
December	31 days

Activity

- 1. What is the first month of the year?
- 2. Which is the last month of the year?
- 3. Which month has 28/29 days?
- 4. Which month comes before June?
- 5. Write in full.
 - a) Jan.
 - b) Oct.
 - c) Dec.
 - d) Nov.
 - e) Sept.

LENGTH

Length is the distance between two points.

The basic unit for measuring length is metres (m)

Things used to measure length

- Ruler
- Tape measure
- Handspans
- Armspans
- Strides
- A stick

Things measured in length

- Desk
- Paper
- Rope
- Books
- Doors
- Strings
- Books
- Walls

Comparing length of different objects Stick R

Stick Z

- 1a) Which stick is longer?
 - b) Which stick is shorter?

2.



Tree K



Tree G

- a) Which tree is taller?
- b) Which tree is shorter?

Addition of length in centimetres (cm) and metres (m)

Add these numbers below

- a) 6 metres + 3 metres =
- b) 2 metres + 2 metres =
- c) 4 m + 7 m
- 6 m + 3 m
- 20 m +10 m

Word problems involving addition of length

Addition in cm, km, m

Examples

1. John walked 5km on Monday. He also walked 3 km on Tuesday. What distance did he move altogether?

2. Mary's dress is 4 metres long. Annet's dress is 3 metres long. How long are the two dresses?

Subtraction of length in cm and m

Activity

Word problems involving subtraction of length

- 1. Teacher had 16m of a cloth. She cut 6m of it. How long was the cloth that remained?
- 2. Tom had a sugarcane of 4m long. She ate 2m of it. How long was the sugarcane?
- 3. What is 7m and 4m less?
- 4. George had a pole of 7m long. He cut 5m from it. How long was the remaining pole?

MK Mathematics pupils Bk.3 Pg. 150

WEIGHT

Weight is the heaviness or lightness of something. The standard unit is grammes / grams gm/g

Weight is measured in kilograms (kg)

Things used to measure weight

- Sea saw
- Beam balance
- Spring balance
- A set of scale balance

Things we can measure

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

Comparing weight using heavier and lighter







a pineapple

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

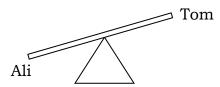


a cup

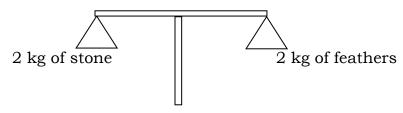


a pencil

- 1. Which object is lighter?
- 2. Which object is heavier?



- 1. Who is lighter?
- 2. Who is heavier?



Which object is lighter?

Addition of weight in kg and g

3)
$$10 \text{kg} + 2 \text{kg} = \underline{\hspace{1cm}} \text{kg}$$

Word problems involving addition of weight

- 1. 6kg plus 1kg equals
- 2. Daddy has 5kg of beans. Mummy has 3kg of beans. How many kg do they have altogether?
- 3. 8kg plus 2kg equals
- 4. Julius weighs 2kg. Tom weighs 5kg. How much weight do they have altogether?

Subtraction of weight in kg/g

$$1.4kg - 3kg =$$

2.
$$9kg - 7kg =$$

Word problems involving subtraction of weight in kg and g

- 1. 5kg minus 2kg equals
- 2. 12kg take away 3kg equals
- 3. 8g minus 4g gives
- 4. 16kg take away 6kg equals

CAPACITY

Capacity is the amount of liquid a container can hold.

Capacity is measured in litres (L), Centimeters (CM), Milimetres (MM) e.t.c

Examples of liquids (things measured in litres

- Water
- Juice
- Paraffin
- Soda
- Milk
- E.t.c

Things used to measure liquids

- Jerrycans
- Tanks
- Bottles
- Cups
- Glasses
- Bucket
- Basin

Comparing capacity of different containers

1.

a cup





a jerrycan

- a) Which container holds more liquid
- b) Which container holds less liquid

2.

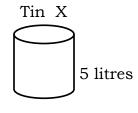


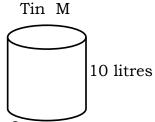
Pot W



- a) Which pot holds more liquids?
- b) Which pot holds less liquid?

3.





Tin Z



- a) Which tin holds 5 litres?
- b) How many litres can tin Z hold?
- c) Which container/tin holds 10 litres?

Addition of capacity in litres (horizontally)

- a) $3L + 4L = ____ litres$
- b) $1 L + 3L = ____$
- 2 4 L + 2 4 L

4 0 L 0 L

Word problems involving addition of capacity in litres

- 1. Five litres four litres equals
- 2. Eight litres plus one litre equals
- 3. Three litres plus two litres gives
- 4. Jonah had 6 litres of water. He fetched more 3 litres of water. How many litres does he have altogether?

5.



4 litres



1 litre

How many litres are in both cups?

Subtraction of capacity in litres

a)
$$4L - 2L = ____ L$$

b) 8 litres - 3 litres

- c) 2 5 litres <u>5 litres</u>
- d) 4 7 L - 1 2 L

e) 10 litres - 6 litres = ____ litres

Word problems involving subtraction of capacity in litres

- 1. Ten litres minus six litres equals
- 2. Mummy had 3 litres of juice. She drank 3 litres. How many litres of juice were left?
- 3. Mary had 8 litres of cooking oil. She used five litres. How many litres of cooking oil remained?

ALGEBRA

Finding missing numbers in addition Examples

Word problems

plus five equals eight

Find missing numbers in subtraction

Word problems involving finding missing numbers in subtraction.

Seven take away equals three

minus two equals six