Mathematics

Topical Questions

Primary Three

Name:

School:

Year:

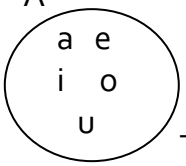
MATHEMATICS TOPICAL QUESTIONS FOR P.3 TERM I

Topic 1: Sets

1. What is a set? _____

2. Name these sets.

A



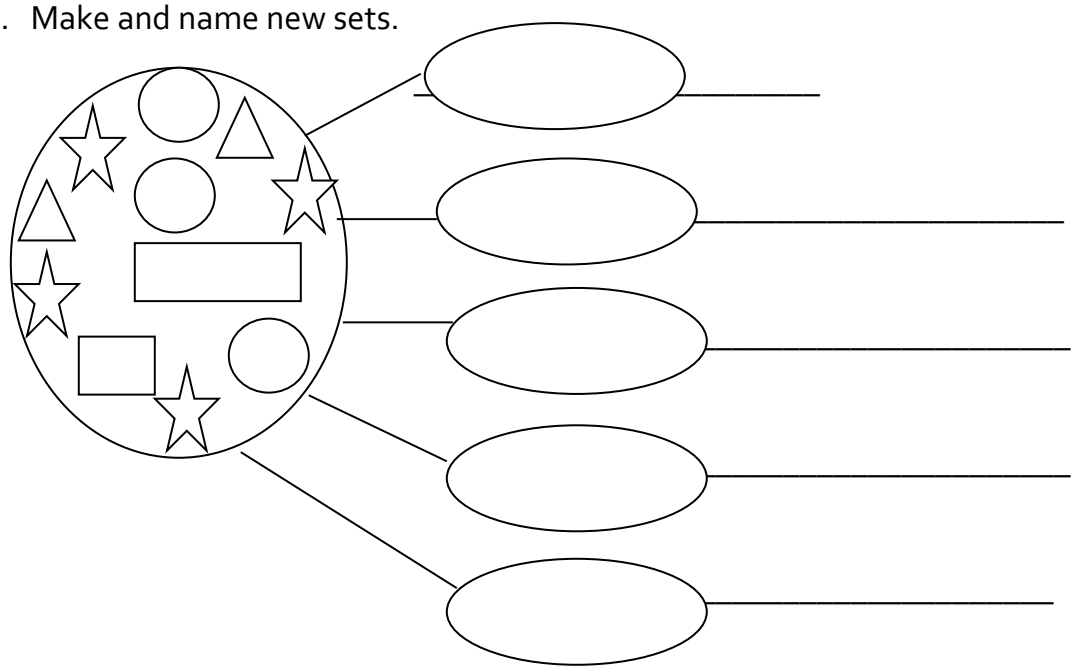
_____

B = {1, 2, 3, 4, 5} _____

3. What is a subset?

_____

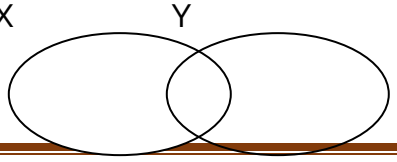
4. Make and name new sets.



5. Given that: Set X = {0, 1, 2, 3, 4}and set Y = {1, 4, 7, 8, 0}

Represent the above information on the venn diagram.

X Y



Find (i) $X \cup Y$

(ii) $X \cap Y$

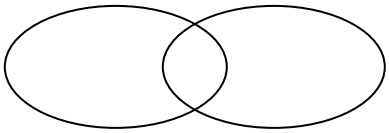
(iii) How many members are there in set Y only?

(iv) $n(X \cap Y)$

6. Shade the following sets.

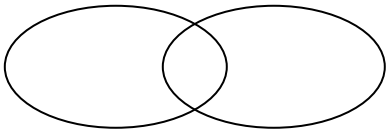
(a) $A \cap B$

A **B**



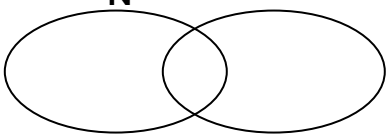
(b) $P \cup Q$

P **Q**



(c) M – N

M **N**



7. (a) What is an empty set?

_____

(b) Write another name for empty set.

_____

(c) Use empty or not empty.

(i) A set of people who are women. _____

(ii) A set of cows with 3 eyes. _____

(d) Name the set symbols below.

(i) $\longleftrightarrow$ _____

(ii) $\overleftrightarrow{\quad}$ _____

(iii) $\cup$ _____

(iv) $\cap$ _____

Topic 2:Numeration system and place values

1. Show these numbers on the abacus.

(a) 1 2 4

H T O

_____

(b) 2 0 5 3

TH H T O

_____

2. Write in words.

(a) 193 _____

(b) 2812 _____

3. Write in figures.

(a) One hundred seventy one

(b) Five thousand sixty three

4. What number comes after 49?

5. What number comes before 100?

6. (a) What is the place value of 4 in the following numbers?

(i) 749

(ii) 428

7. Find the value of 3 in the number 340.

8. Find the sum of the value of 9 and 2 in the number 6920.

9. Complete correctly.

   (a) 1742 = _____ thousands _____ hundreds _____ tens _____ ones

   (b) 39 = _____ hundreds _____ tens _____ ones

10. (a) Expand 451

(b) What number has been expanded to give

(3 x 1000) + (4 x 100) + (9 x 10) + (6 x 1)

11. Change the following from Hindu Arabic numerals to Roman numerals.

   (a) 15

   (b) 25

12. Change from Roman numerals to Hindu Arabic numerals.

   (a) XIV

   (b) XXIV

13. Circle the even numbers from the list below.

{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Topic 3:Operation on whole numbers.

1. Add: 234 + 12

2. There are 15 boys and 23 girls in P.3. How many children are there altogether?

3. Find the difference between 36 and 12.

4. Multiply: 1 2 4

x 2

_____

5. Share 12 mangoes among 4 boys.

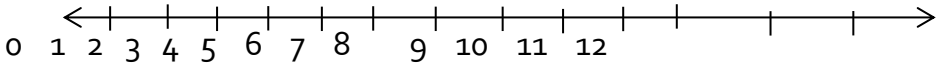
6. Subtract 20 from 100.

7. Complete the table.

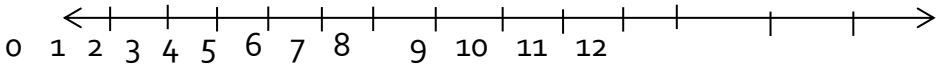
No. Of stools	1	2	3	4	5	____
No. Of legs	3	____	9	____	____	18

8. Use a number line to work out.

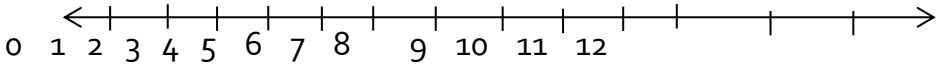
(a) 2 + 4 =



(b) 5 – 3 =



(c) 4 x 2 =



9. Kato had 39 cows. 12 of them died. How many cows remained?

10. How many eyes do 5 boys have?

11. Complete the table below.

x	1	2	3	4
2	__	4	__	8

3	3	__	9	__
4	__	8	__	16

12. In a class of 50 children, 24 are girls. How many boys are there in the class?

13. A family uses 3 loaves of bread everyday. How many loaves of bread does the family use in 45 days?

14. What is the product of 12 and 3?

15. Use multiplication to work out.

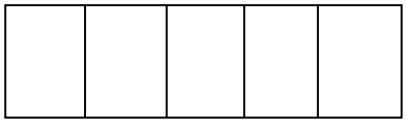
3 + 3 + 3 + 3 = ___ x ___ = ____

Theme: Fractions

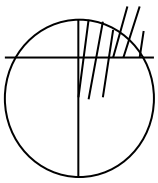
1. What is a fraction?

.....

1. Shade $\frac{3}{5}$ of the diagram.



2. Write the un-shaded fraction on the diagram below.



3. Add: $\frac{2}{7} + \frac{3}{7} =$

4. Subtract: $\frac{7}{11} - \frac{3}{11} =$

5. What is ½ of 20 eggs?

6. Work out: $\frac{1}{7} + \frac{2}{7} + \frac{3}{7} =$

7. How many halves are there in 3 wholes?

8. Joan had a cake and ate $\frac{1}{3}$ of it at break time. What fraction of the cake remained?

9. John had $\frac{5}{7}$ of sugarcane and gave $\frac{2}{7}$ of it to Moses. What fraction of the sugarcane remained?

10. Write the following fraction s in words.

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

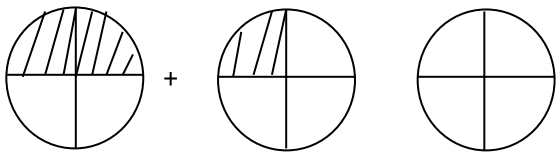
    b. ¼ .....

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

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

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

11. Complete correctly.



Theme: Graphs

1. If  = 3 balls, how many balls are represented by

1.  represents 5 cups. Draw cups to represent 15 cups.

a) Which school got the highest number of balls?

.....

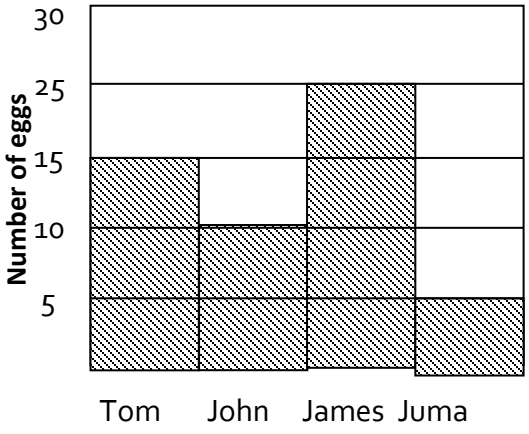
b) Which school got 5 balls? .....

c) How many balls did Mengo get?

d) How many balls did Old Kampala and Winston get altogether?

e) How many more balls did Mengo get than Fairways?

1. The bar graph below shows the number of eggs that were give to four boys.



Who got the highest number of eggs

b) Who got the least number of eggs?

……

……

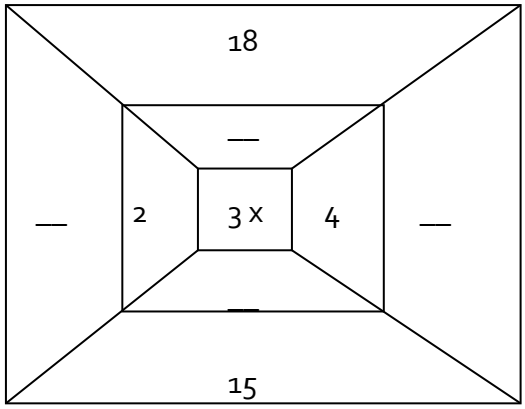
c) How many eggs did Tom and James get altogether?

d) How many more eggs did Juma get than John?

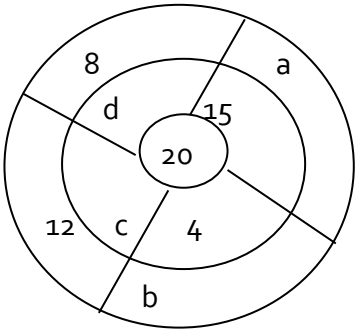
e) Find the total number of eggs that were given to all boys.

Theme:

1. Complete the multiplication table below



2. Complete the addition wheel below whose sum at the centre is 20.



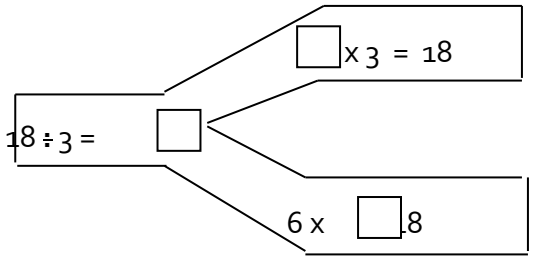
a =

b =

c =

d =

3. Complete the table correctly.



4. Study the magic square below and answer questions that follow.

7	a	5
2	4	c
b	8	1

i) Find the magic sum.

ii) Find the value of:-

a =

b =

c =

(b) The magic sum for the magic square below is 15. Use it to complete the table.

m	9	4
7	5	q
6	p	8

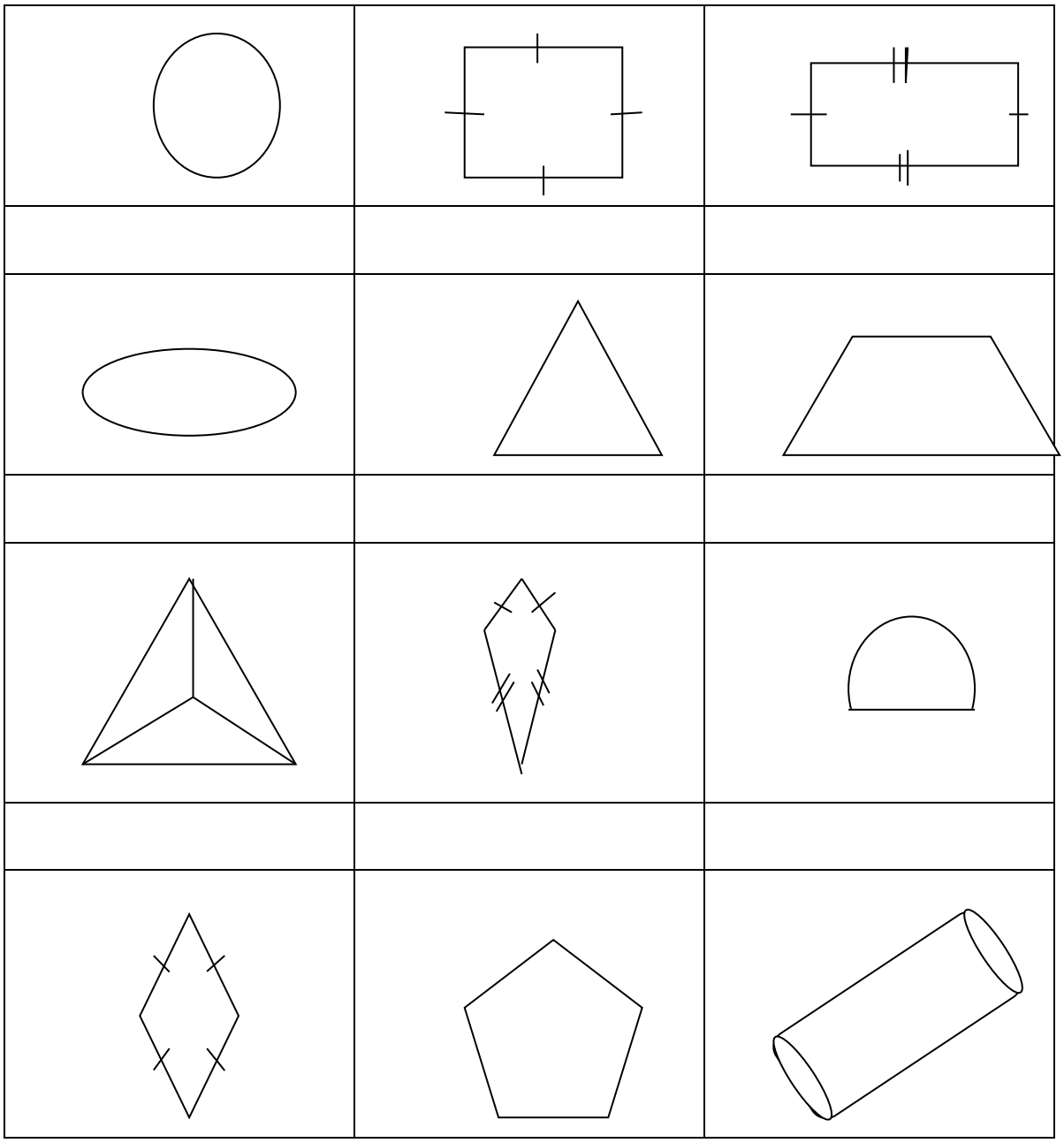
M =

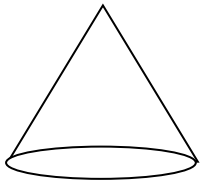
P =

q =

Topic 1: GEOMETRY

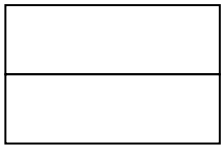
1. Name these shapes



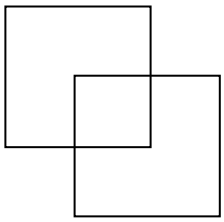
		

Count the shapes

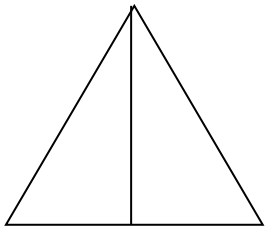
i)



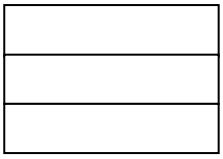
ii)

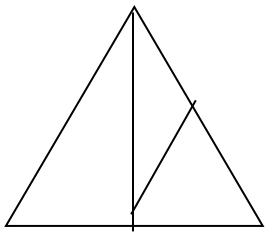


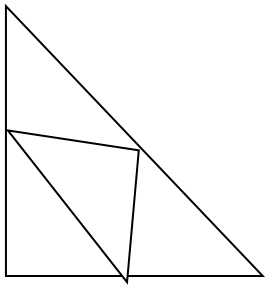
iii)



vi)



iv) 

v) 

Topic 2: MEASURES: Time

Days of the week

1. What is the second day of the week?

2. Complete the table

Weeks	1	2	3			6
Days	7			28	35	

3. How many days are in 2 weeks?

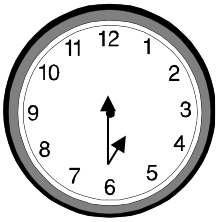
4. How many weeks are in 21 days?

5. What is the last day of the week?

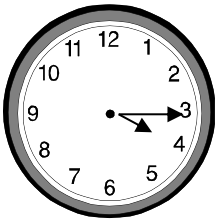
6. What is the first day of the week?

7. How many days are in a fortnight?

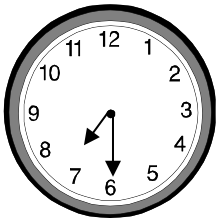
8. **Tell the time**

a) 

_____

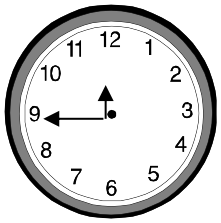
b) 

_____

c) 

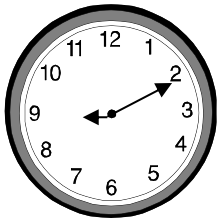
_____

d)



_____

e)



_____

f) **<u>Draw clock face and show this time</u>**

i) a half past 11

ii) a quarter past 11

iii) a quarter to 11

iv) 11:00 o'clock

v) 6:30

Topic 3: Time (Months of the year)

1. **What is the fifth month of the year?**

2. **How many months are there in two years?**

3. **How many years are there in 36 months?**

4. Complete the table

Years	1	2	3		
Months	12			48	60

5. **How many days are in the year?**

6. **How many weeks are in the year?**

7. **How many months are in a year?**

8. Mr. Obbo was born in 1970. How old was Mr. Obbo in 1989?

9. We got our independence in 1962. What independence anniversary celebration was it in 2001?

10. How old is a car which was bought in 1989 and sold in 1994?

11. Cate was born in 2000. How old is Cate now?

12. Ntugamo primary school was built in 1952 and it was repaired in 1974. After how long was it repaired?

13. Mpumudde started teaching in 1988. For how many years had he taught by 1994?

Topic 4: Length

1. **How many cm are in 9m?**

2. **Add;**

	M	Cm
	4	38
+	4	30

3. **Musa's sugarcane is 1m 15cm. Ali's sugarcane is 1m 26cm. Find the length of the two pieces of sugarcane?**

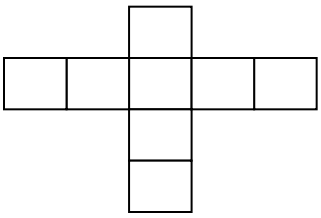
4. Subtract;

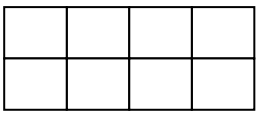
	M	Cm
	15	53
-	5	10

5. A trader had a ribbon 12m 56cm long. He sold 4m 17cm. find the length of the remaining ribbon.

6. Find the area by counting squares

a)



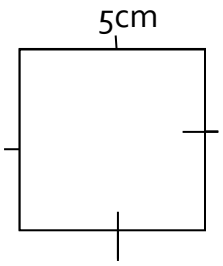


Length	
Width	
Area	

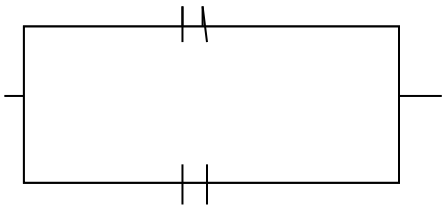
7. **Find the area by multiplying**

a) 10m

b) 5cm

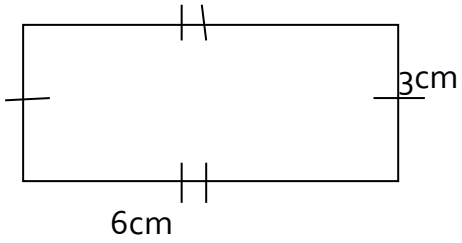


c) 7dm

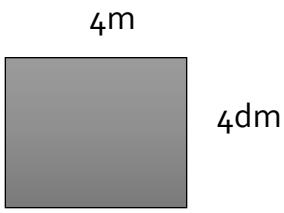


8.Find the perimeter for these figures

a)



b



Topic 5: Capacity

1. Use >, < or = to complete

a) 1L _____100cl

b) 1 L _____100cl
2

2. How many 1 litre jugs will fill a 5 litres jerry can?

3. Add;

a)

	1	5	olitres
+	8	5	0 litres

b)

	4	5	0 litres
	3	5	0litres
+	6	6	0 litres

c) 247 litres + 352 litres =

d) Nakafeero's pot holds 71 litres of water and Tauga's pot holds 59litres of water. Find the amount of water of both pots hold.

5. Subtract;

a)

	5	6litres
-	3	2litres

b)
	6	3	5litres
-	4	5	6litres

c) Take away 1029litres from 1282 litres

d) Luyiga's petro station sold 6498 litres of diesel. How much diesel was left if it had 8446 litres?

e) Out of 974 litres of water in a tank, 789 litres were used. How many litres remained?

Topic 6: Weight

1. Change 4kg to grams

2. Convert 500g to kg

3. Add;

	Kg	g
	45	226
+	19	674

4. Nayiga has 4kg 250g of sugar. Her sister had 3kg 500g. find the total amount of sugar the two girls have?

5. **Add;**

7kg 844g to 5kg 126g

6. **Subtract;**

a)

	Kg	g
	46	470
-	33	340

b)

	Kg	g
	475	880
-	209	420

7. Nakku had 4kg 250g of maize flour. She as given 5kg 480g more. How much flour does she have?

8. Kaddu weighs 3kg 450g and peter weighs 4kg 340g.

a) Who is heavier?

b) Find their total weight

c) Find the difference between their weight

9. Complete the table

Kg	4	3	1	
G			1000g	5000g

Topic 7: Money

1. Study the shopping list and answer the questions

ITEMS	PRICE
A doll	shs, 1500
A bag	shs. 2000
A broom	shs. 500
A pencil	shs. 300
An egg	shs. 350

a) What is the cheapest item?

b) What is the most expensive item?

c) What is the cost of a doll and a bag?

d) Find the cost of 5 pencils.

e) How much money will one pay to buy 2 brooms and 3 pencils?

f) Find the total cost of all the items

g) If Dad went with 3500/= and bought 3 brooms. How much money remained?

h) If Jane went with 5000/= and bought all the items. How much money remained?

Topic 8: Algebra

1. Find the missing numbers

a) $\square + 3 = 12$

b) $9 + \square = 15$

c) $\square - 7 = 10$

d) $15 - \square = 9$

e) $\square \times 3 = 27$

f) $10 \times \square = 30$

g) $25 \div \square = 5$

h) $\square \div 6 = 3$

2. **Word problems**

a) Our headmaster had some boxes of chalk. He bought 25 more boxes. Now he has 48 boxes. How many boxes had the headmaster before?

b) The shopkeeper had 36 pancakes. He bought more pancakes. Now he has 61 pancakes. How many pancakes did he buy?

c) Father had some books. He gave me 5 books and he remained with 7 books. How many books did he have at first?

d) Find the value of M

i) $M + 4 = 8$

ii) $M - 4 = 8$

iii) $M \times 4 = 8$

iv) $M \div 4 = 8$