MATHEMATICS

TIME ALLOWED : 2HOURS:30MINUTES

Index No.

Candidate's Name:...

candidate's Signature...

School Name.:..

District Name:..

FOR EXAMINER'S USE ONLY

Read the following instructions carefully

1. The paper has **two** Sections A and B

2. Answer all questions. All answers to both section A and B must be written in spaces provided.

3. All answers must be written using a blue or black ball point pen or ink.

4. Unnecessary changes of work may lead to loss of marks.

5. Any handwriting that cannot easily be read may lead to loss of marks.

Do not fill anything in the boxes shown: **"For Examiners' Use Only"** and those inside the question paper
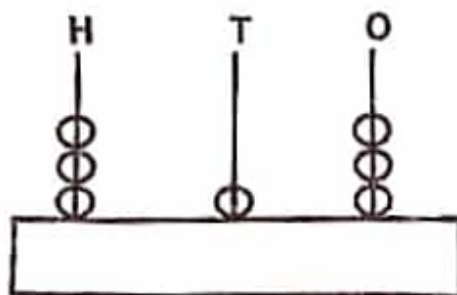
FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Examiner's No.
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

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1 Fill in the missing number in the box: $3 \times \boxed{} = 12$

2. Simplify: $X + 2X + 3X$

3. Write the number shown on the abacus in words.

4. Change 125 litres to Kilolitres

5. Simplify: $^+4 - ^-5$

6. Workout: $\dfrac{8}{15} \div \dfrac{2}{3}$

. Given that P= {1, 2, 3} and Q={4, 5, 6}. Find n(PnQ)

8.	Using a protractor, a ruler and a pencil, draw and angle of 45° in the space provided below.

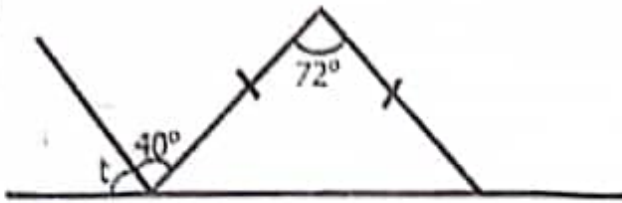| 9.	Solve: $2y - 8 = 2$

10.	I have 9 boxes of Red pens. In each box there are 909 pens. How may pens are in the 9 boxes.

11. The table below shows grades passed by pupils in a P.7 class

Grade	I	II	III	IV
No of pupils	III	ⷮ-HHⷮ-II	II	III

12.	On a map, the distance between two towns is 8cm. What is the scale of the map if the actual distance is 320m?

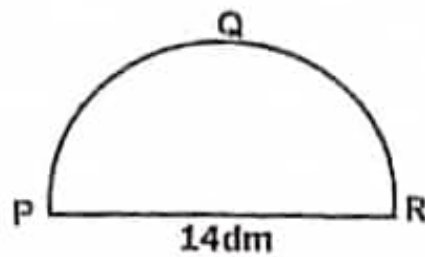**13.** Find the value of angle marked t in the given figure below.

14. Okello takes 7 minutes to walk a distance of 350m. What is his speed in km/hr?

What number using values has been expanded to give?

$30 + 5 + 0.0 + 0.03 + 0.007$

The performance of the candidates at PLE last year of a certain district increased from 1200 to 1800 pupils in division one. In what ratio was the increase in performances?

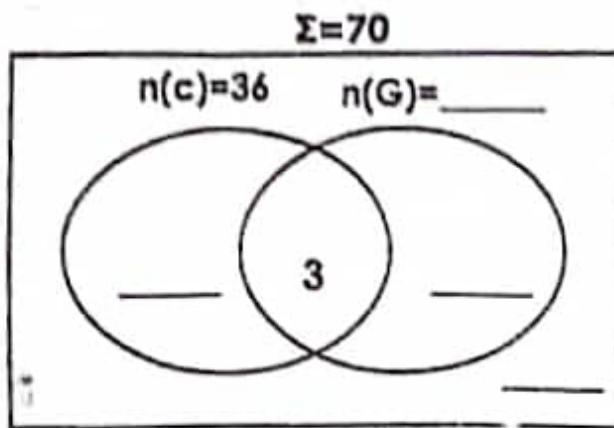**17.** The distance round the given figure below is 36dm.

P L_____R
14dm

Workout the length of the curved PQR

18. A rectangle ABCD measures 6cm by 8cm. Workout the length between its opposite corners.

19. Find the sum of the next two numbers in the sequence.

100, 81, 64, 49, 36,_____ , _____

20. The cost of 500gms of sugar is shs. 2000. Find the cost of 9kg of sugar.

21. In an LCI Village of 70 men, 36 men rear cows (C) , 3 rear both cows (C) and goats (G), K men rear neither goats nor cows while K + 2 rear goats only.

(a) Complete the venn diagram below.   (3marks)

$\Sigma = 70$

n(c)=36   n(G)=_____

3

(b) How many men do not rear goats?   (2marks)

22. (a) Workout $3^3 - 3^0$ (2marks)

(b) Add: Weeks   Days   (2marks)

           4   5

        + 5   4
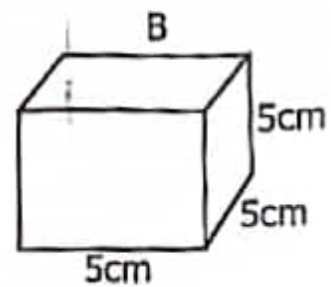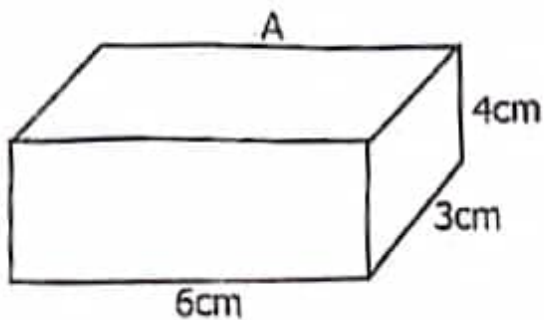
        _____   _____

23. A boda boda took 6 hour riding from Iganga to kamuli at an average speed of 30km/hr. How much shorter time will the boda boda take if it travels back at a speed of 80km/hr? (5marks)

24. (a) Simplify: 3(2 + a) - (2a - 3) (2marks)

(b) Solve 3(4r-4) - 2(3 + 3r)=12 (3marks)

(d) Which of the figures below has a bigger volume   (3marks)

(b) By how much volume has the bigger one than the smaller container?
(3marks)

26. (a) Add: 1 0 1 1 two   (2marks)

        + 1 1 0 1 two

        ————————

(b) Subtract 2 - 5 = _____(Finite 7)   (2marks)

27. Mrs. Munyolo went to the shop and bought the following items:

8 half litres of cooking oil at sh 2000 per litre.

$3\frac{1}{2}$ kg of Rice at sh 24000 per kg.

$2\frac{1}{2}$ kg of Posho at sh 800 per $\frac{1}{2}$ kg

(a) If Mrs. Munyolo was given a discount of 10% on the total expenditure, how much did she pay? (5marks)

(b) If she had sh 25,360, How much did she remain with? (1mark)

28. Kinyatta used $\frac{3}{7}$ of his land for growing maize and $\frac{1}{4}$ of the remainder to grow cocoa and the remaining 120 acres for growing Rice. How many acres has Kinyatta? (5marks)
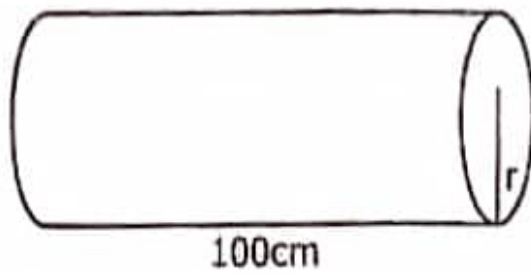
9. Use a ruler, a pencil and compasses to construct a trapezium.
(a) UNRA in which UA is parallel to NR. NR=8cm, RA=4cm, angle UNR=60°
   and angle NRA=90°   (4marks)

(b) Measure UN   (1mark)

30. Calculate the radius of cylindrical figure below given that it has a capacity of 15.4litres and with a height of 10cm. (Take $\pi = \frac{22}{7}$) (5marks)

100cm

31. (a) Simplify: $\dfrac{0.21 \times 4.2}{0.07}$ (3marks)

(b) A rectangular kraal measures 80m by 72m. Fence poles are placed along all its sides at equal distance a part. Find the distance between the poles.

2. The table below shows rainfall in various seasons.

Season	summer	Autum	Spring	Winter
Rainfall in mm	45	25	20	30

Using a radius of 4.5cm draw a circle graph to represent the above information. (6marks)