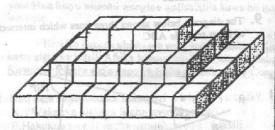
11. A triangular plot measuring 7.5 metres by 12.5 metres by 15 metres is to be fenced.

If the posts are to be 2.5 metres apart, how many posts are needed?

white like a world his was a fill bride

- A. 35
- THE IS IN E sight out to sular souls out it tadie.
 - D. 14
- 12. How many bricks are used to make the pile shown in the diagram below?



- A. 62
- B. 48
- C. 28
- 13. Mwamburi bought a T.V. set on hire purchase terms. He paid a deposit of sh. 2000. The remaining amount was paid in 5 equal monthly instalments. He paid a total of sh. 9200.

How much was each monthly instalment?

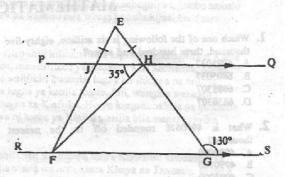
- A. sh. 2240
- B. sh. 1840
- C. sh. 1440
- D. sh. 400
- 14. What is the value of

0.48×0.0135 0.016

- A. 40-5
- B. 4-05
- C. 0-405
- D. 0-0405

15. In the figure below, lines PQ and RS are parallel. Lines EJF and EHG are straight. Lines EJ and EH are equal. Angle FHJ = 35° and angle HGS = 130°

23. On a missisted as or at a created Clored content of land



What is the size of angle JFH?

- A 80°
- B. 50° street all the property than
- C. 45° D. 15°
- 16. The charges for sending an inland telegram were as follows:

The first 10 words or part thereof sh. 10.

All extra words sh. 1 each.

A commission of 15% on the total was charged.

What was the cost of sending the following telegram?

GAD KILOVI BOX 200 MALABA COME NAKURU URGENTLY NEKESA A. sh. 12-65 R. ch. 11-50

- B. sh. 11-50
- C. sh. 10-35
- D. sh. 10

Nairobi rouce.

17. There were 210 blue cars, 168 red cars, 336 white cars and 126 yellow cars in a car park.

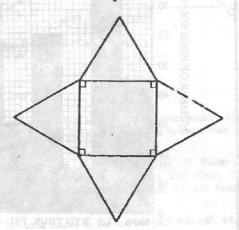
If a pie-chart was drawn to represent this information, what angle would represent the yellow cars? A. 90°

- B. 54°
- C. 72°
- D. 144°
- 18. Musa, Tom and Sam scored goals for their team during a football match. Musa scored n goals while Sam scored twice as many goals as Musa. Torr scored two goals less than Sam.

What was their total score?

- A. Sn · 2 second snow after to send grass woll
- B. 2n-2
- C. 3n-2
- D. 3n + 2

- 19. What is the square root of 7 1/16?
- 20. The figure below shows a net made up of a square and four equilateral triangles.



Which one of the following solids can be formed from this net?

- A. Square prism
- B. Triangular prism
- C. Square pyramid wiff held self A
- D. Triangular pyramid
- 21. Flour is packed in 2.5 kg packets. If the weight of flour in the packets is increased by 25%, what would be the new weight of the packet?
- A. 3-125 kg

 - B. 2 kg C. 1-875 kg
 - D. 0-625 kg
- 22. What is the value of $\frac{2s+r}{q}$, if q=4, r=2q+1 and s=r+2?

B. sh. 200

- hours. M. 12 Indoorers Failed, to teen an Su. A.
- and B. 161 of word bib revol wore your work
 - C. 7 70 1 102 Idoj est estigaçõe de
 - D. 71
- 23. Moki had 190 fifty shilling-notes. He changed sh. 6000 into one thousand shilling-notes and the rest into five hundred shilling-notes.

How many five hundred shilling-notes did he get?

- A. 9500
- 19
- C. 3500
- D. 7

24. On a map drawn to the scale 1:500 is a plot of land in the shape of a trapezium whose parallel sides measure 5 cm and 2 cm. The perpendicular distance between the parallel sides is 4 cm.

What is the actual area of the plot in square metres?

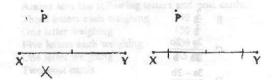
- A. 35 000
- Z. The figure below is made up 000 E ...
- D. 35 and identify yd bane.
- 25. Three factories Buka, Sakono and Rama produce sugar in one hundred kilogramme bags daily. Buka produces three times as much as Rama. Sakono produced two times as much as Rama.

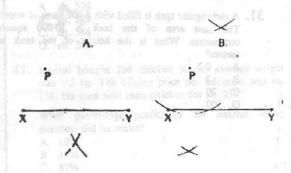
If Sakono produces 500 bags, how many tonnes altogether do the three factories produce daily?

- A. 50 B. 75
- C. 150
- D. 300
- 6. A dealer paid sh. 15 000 to an agent as commission for the sale of a car. The commission was 2% of the

How much money did the dealer remain with from the sale of the car?

- A. sh. 1 470 000
- B. sh. 765 000 C. sh. 750 000
- D. sh. 735 000
- 27. Which one of the following diagrams shows arcs that lead to the construction of a perpendicular from point P to line XY?





28. Asha deposited sh. 4800 in a bank which paid interest at the rate of 12% p.a. How much did she have in the bank after six months?

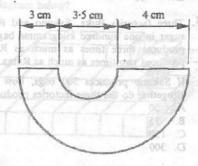
A. sh. 288 off mo t bearing & wantered

B. sh. 5088 at sobie billering offer noswind

C. sh. 5376

D. sh. 8256 to lo sone laure of ai laffW

A. 35 000 29. The figure below is made up of two semi-circles joined by straight lines.



What is the perimeter of the figure?

(Take n = 2) noo adl .rso a lo sisa adl rol

A. 18 cm

B. 22 cm

C. 29 cm

D. 51 cm 5 equal 500 000 34 34 38 3 30. Which one of the following expressions is the simple form of a such assenting 2000 LEV again at

How much money did the

THE LATE OF THE CAP?

$$\frac{2(a+2b)+a-4b}{4(2b-a)-5b+4a}$$
?

3a - 2bD. 36 + 30

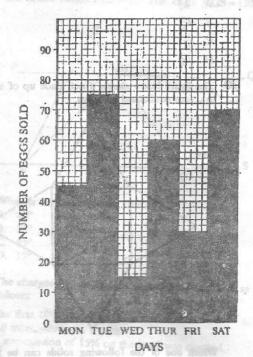
31. A rect ngular tank is filled with 6 000 litres of water. The case area of the tank is 30 000 square centimetres. What is the height of the tank in metres?

A. 0.2

B. 2

C. 20

32. The par graph below shows the number of eggs sold by Mutiso in six days. The highest number of eggs sold was 75.



In which three consecutive days was the total number of eggs sold the highest?

A. Tue, Wed, Thur

B. Mon, Tue, Wed

C. Thur, Fri, Sat

D. Wed, Thur, Fri

33. Ali paid sh. 3700 for a radio after getting a discount of 71%. How much more would he have paid had he been given a discount of 5%?

A. sh. 100

B. sh. 200

C. sh. 3800

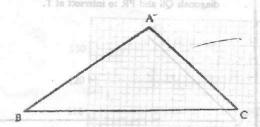
D. sh. 4000

34. A factory hired 48 labourers to complete a job in 24 hours. If 12 labourers failed to turn up for the job, how many more hours did those who turned up take to complete the job?

A. 8 B. 32

C. 48

35. Triangle ABC, shown below, has been drawn accurately.



What is the size of angle CAB?

- A. 35°
- B. 44°
- C. 79"
- D. 101°
- 36. Maria sat for ten subjects in an examination. Her marks in nine subjects, excluding science, was as follows:

Mathematics 78, Kiswahili 81, GHC 77, Religious Education 69, English 73, Art and Craft 60, Agriculture 52, Business Education 60, and Home

If her total marks in the ten subjects was 680, what was her median mark? people who attended a feethell match

- A. 60
- C. 71
- D. 75
- 37. Atieno bought 2 kg meat @ sh. 135, 1 kg sugar for sh. 48, 3 kg rice @ sh. 42 and 1 kg salt for sh. 12. She paid for the items with a sh. 500 note.

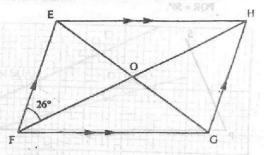
What balance did she get?

- A. sh. 456
- B. sh. 263
- C. sh. 50
- D. sh. 44
- 38. A closed cylindrical tank has a radius of 1.05 m and a height of 2 m. What is the surface area of the tank?

(Take $\pi = \frac{21}{7}$)

- A. 20-13 m²
- B. 16-665 m²
- C. 13·2 m²
- D. 6-93 m²

39. In the figure below EFGH is a rhombus. Angle EFO = 26°.



What is the size of angle OGH?

- A. 128°
- B. 64°
- 52°
- D. 36°
- 49. The table below shows the rates for sending letters and post cards through a post office in 1998.

Type of Article	Weight		Charge shs. cts.	
Letters	Not over	20 g	14 00	
(Limit of	*11	50 g	17 · 00	
weight 2 kg)	sumba, lo	100 g	18 - 00	
al halew doung	volte, Hov	250 g	28 00	
	10	500 g	46 00	
	23	1 kg	75 00	
学出门		2 kg	110 00	
Post cards	Eac	h	12 - 00	

Amina sent the following letters and post cards:

Three letters each weighing	49 g
One letter weighing	150 g
Five letters each weighing	800 g
One letter weighing	1.5 kg
Two post cards	In W. 3950

How much did she pay for the postage?

- A. sh. 599
- B. sh. 588
- C. sh. 564
- D. sh. 242
- 41. Kantai bought 200 chicken whose average weight was 1.5 kg. The buying price per kilogram was sh. 150. He then sold each chicken for sh. 250.

What percentage profit, to the nearest whole number, did he make?

- A. 10%
- B. 11%
- C. 67%
- D. 90%

42. Below is part of the construction of a trapezium PQRS. Complete the construction such that angle PQR = 56°.



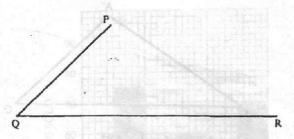
What is the length of the side RS?

- A. 8.0 cm
- B. 7-3 cm
- C. 4.5 cm
- D. 3.5 cm
- 43. In a school, one bell rings after every 30 minutes while the other rings after every 35 minutes. If the two bells rang together at 8.15 a.m., at what time did they ring together next?
 - A. 11.45 a.m.
 - B. 3.30 a.m.
 - C. 9.20 a.m.
 - D. 1.45 a.m.
- 44. A circular tank of radius 1-4 metres and height 2 metres is full of water. How much water, in litres, is in the tank?

(Take $\pi = \frac{22}{7}$)

- A. 17 600
- B. 12 320
 - C. 6160
 - 12-32 D.
- 45. A plot of land is in the shape of a right angled triangle. The length of the longest side measures 26 metres while one of the shorter sides measures 10 metres. What is the area of the plot in square metres?
 - 's aw moch did she pay for the posts 06 'A
 - B. 120
 - C. 130
- 46. In a function, the number of women was twice that of men. The number of children was half the total number of men and women. The function was attended by 270 people. How many children attended the function?
 - A. 90
 - B. 120
 - C. 180
 - D. 60

47. The diagram below is an incomplete parallellogram PQRS. Complete the parallelogram and draw diagonals QS and PR to intersect at T.



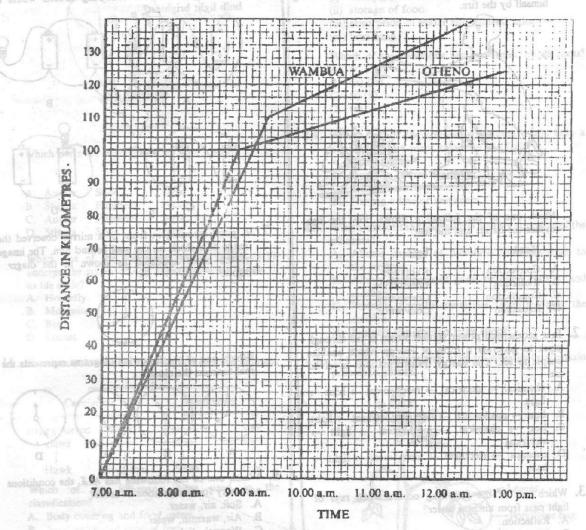
What is the size of angle PTQ? .

- A. 31°
- B. 43°
- C. 106°
- D. 137°
- 48. A car travelling from town A to town B at an average speed of 80 km/h took 54 minutes. Another car took 40 minutes to travel the same distance. What was the difference in their speeds in km/h?
 - A. 8
 - B. 28
 - C. 36 D. 108
- 49. The incomplete table below shows the numbers of people who attended a football match and the gate charges. The number of children is not shown.

	No. of people	Gate charges in ksh.
Children	6.57 - 49 (0.55)	5
Students	600	20
Female Adults	440	50
Male Adults	500	50

If the total amount collected was ksh. 60 000, how many people altogether attended the match?

- A. 200 B. 1000
- C. 1540
- D. 1740



4. Which one of the following factors DOES INOT

effect how high or low sound produced by a stringed

At what time was Otieno 10 km ahead of Wambua?

A. 10.30 a.m.

B. 9.27 a.m.

C. 9.00 a.m.

D. 7.12 a.m.