

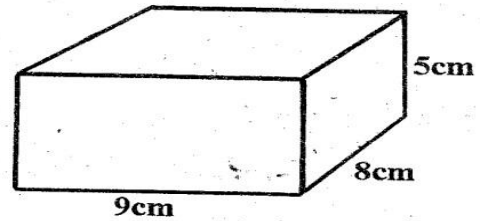
- Write **7186180** in words
 - Seven million, one hundred and eighty six thousand one hundred and eighty.
 - Seven million and one hundred and eighty six, one hundred and eighty
 - Seven million one hundred and eighty six thousand one hundred and eight.
 - Seven million, one hundred and eighty six one hundred and eighty
- What is the place value of **4** when **48036** is divided by **12**?
 - Ones
 - Tens
 - Hundreds
 - Thousands
- In 2006 a factory was supplied with 4800 bags of maize. This was 20% less than what was supplied in 2005. How many bags were supplied in 2005?

A. 4000	B. 5760
C. 6000	D. 2400
- What is the value of $\frac{4}{5} + \frac{1}{2} - \frac{3}{4} + \frac{7}{8}$?

A. $1\frac{7}{40}$	B. $3\frac{1}{70}$
C. $\frac{1}{20}$	D. $2\frac{1}{35}$
- Twenty taps can fill a tank in 8 minutes. How many more taps are required to fill the same tank in five minutes?

A. 32	B. 24
C. 12.5	D. 12
- Which one of the following will not form a right angled triangle?
 - 9cm 16cm 25cm
 - 24cm 32cm 40cm
 - 21cm 72cm 75cm
 - 25cm 15cm 20cm

- The diagram below represents a rectangular solid whose external dimensions are given. The surface of the solid was painted all over. What area in cm^2 was painted?



- | | |
|--------|--------|
| A. 360 | B. 242 |
| C. 314 | D. 628 |
- Teta village organized a harambee to build a cattledip. The number of children was half the number of women. The number of men was twice the total number of children and women. The function had 810 people. Each man contributed Sh.1000 while each woman contributed Sh.500 and each child contributed Sh.150 respectively. How much did they raise altogether?

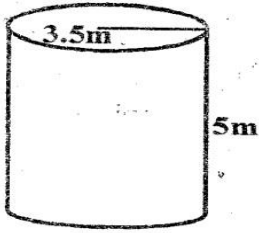
A. Sh.630, 000	B. Sh.643,500
C. Sh.463500	D. Sh.553500
 - What is $2\frac{1}{3}\%$ written as a ratio?

A. 7:3	B. 3:7
C. 7:300	D. 700:3
 - A cylindrical tank of radius 2.8cm contains 1.232 litres of water. What is the depth of water? (Take $\pi = \frac{22}{7}$)

A. 50cm	B. 0.5cm
C. 500cm	D. 5cm
 - Simplify the inequality $\frac{1}{2}x + 1.5 > 4 + \frac{1}{3}x$

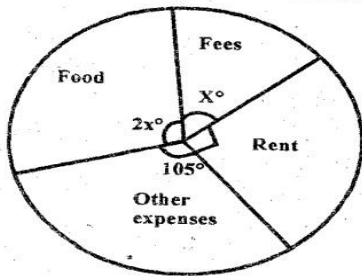
A. $x > 1\frac{1}{2}$	B. $x > 3$
C. $x > 15$	D. $x < 15$

12. What is the capacity of the tank below in litres? (Take $\pi = \frac{22}{7}$)



- A. 770000 B. 192.5
C. 19250 D. 192500

13. The pie chart below shows how Nyaboke spent her April salary of Sh.36000. How much more did she spend on food than on rent?

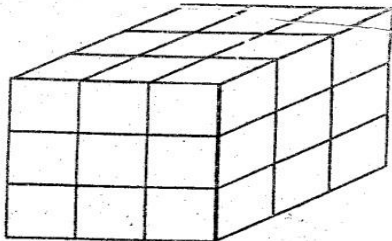


- A. Sh.9000 B. Sh. 2000
C. Sh.10500 D. Sh.11000

14. Kiplagat is twice as old as Kamau who is 6 years younger than Kilunda. If the sum of their ages now is 38 years. How old will Kamau be in five years to come?

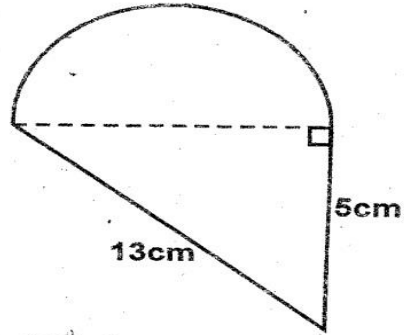
- A. 16 years B. 21 years
C. 8 years D. 13 years

15. The stack below was painted blue all over except the bottom. How many cubes were painted on two faces only?



- A. 12 B. 14
C. 8 D. 36

16. Find the area of the figure shown below (Take $\pi = 3.14$)



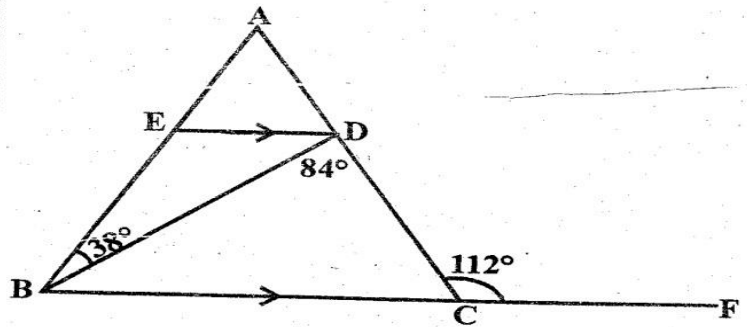
- A. 30cm² B. 53.52cm²
C. 86.52cm² D. 48.00cm²

17. What is the value of:-

$$\frac{1}{2} \text{ of } (10 - 4) + \frac{3}{4} \text{ of } 8 \div 2 - 2 \times 6 \div 4$$

- A. 8 B. 3
C. 6 D. 4

18. In the figure below, angle $\angle DCF = 112^\circ$, $\angle BDC = 84^\circ$ and $\angle EBD = 38^\circ$. Line ED is parallel to BCF . What is the measure of angle $\angle DAE$?



- A. 46° B. 66°
C. 68° D. 28°

19. Construct a triangle WXY in which $XY = 7\text{cm}$, $WY = 8\text{cm}$ and $WX = 6\text{cm}$. Draw a circle touching its vertices. What is the radius of the circle?

- A. 1.5cm B. 1.9cm
C. 4.2cm D. 3.6cm

20. In a farm, $\frac{3}{5}$ of the animals are goats, $\frac{1}{4}$ of the remainder are cows and the rest are sheep. There are 160 cows in the farm. How many sheep are there in this farm?

A. 960
B. 480
C. 240
D. 1600

21. Kainyu sells goods for a company. She is paid a salary of Sh.42000 per month plus a commission of 15% of goods worth above Sh.20,000. In one month, her earning was Sh.66000. What was the value of goods sold?

A. Sh. 440000
B. Sh.280000
C. Sh.160000
D. Sh. 180000

22. What is the difference between the G.C.D and L.C.M of 24, 36 and 48?

A. 132
B. 144
C. 156
D. 12

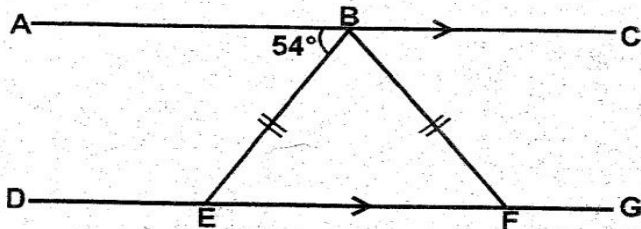
23. A farmer had cows and goats in his farm. The total number of animals was 400. Out of these 20% were cows and the rest were goats. He decided to increase the cows by 30% and decrease the goats by 10%. How many animals altogether did he end up with?

A. 320
B. 424
C. 368
D. 392

24. What is the next number in the sequence 9, 10, 14, 23, 39 _____

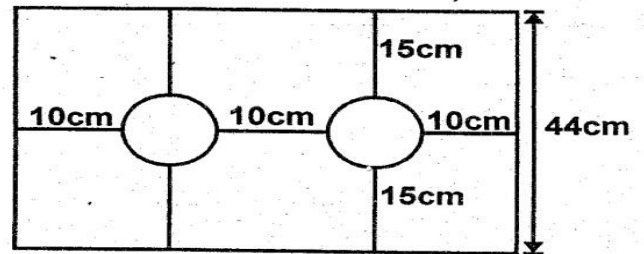
A. 48
B. 100
C. 64
D. 54

25. In the figure below line AC is parallel to line DG, line EB = BF and angle ABE = 54° . What is the size of angle EBF?



A. 108°
B. 72°
C. 54°
D. 126°

26. The diagram below shows a metal window design.



What is the total length of metal needed to make the design?

A. 204cm
B. 382cm
C. 264cm
D. 294cm

27. Work out: $\frac{12(82 - 22) - 48 + 8}{9}$

A. 74
B. 80
C. 86
D. 79

28. Bahati bought a sofa set on hire purchase terms which was 40% more than the marked price. She paid a deposit of Sh.16000 and paid the balance in 1 year 4 months with monthly instalments of Sh.2500 each. What was the marked price of the sofa set?

A. Sh.60000
B. Sh.56000
C. Sh.51000
D. Sh.40,000

29. Sagal spent $\frac{1}{5}$ of her salary on food $\frac{3}{4}$ of the remainder on rent and rest on school fees. If her salary was Sh.48000, how much did she pay for school fees?

A. Sh.2400
B. Sh.24000
C. Sh.9600
D. Sh.28800

30. Draw a triangle CDE in which CD = 4cm, angle CDE is a right angle and line DE = 6cm. Bisect angle CED and the bisector to meet DC at F. What is the measure of angle EFC?

A. 27°
B. 67°
C. 37°
D. 113°

31. Work out: $\frac{17.21 \times 0.91}{0.13}$

A. 120.47
B. 12.047
C. 1.2047
D. 1204.7

32. Below are properties of quadrilaterals
 (i) Has two sets of parallel lines
 (ii) Diagonals are equal
 (iii) Diagonals intersect at right angles
 (iv) Some angles are equal
 Which one is not true about a rhombus?
 A. i B. ii
 C. iii D. iv

33. The following table shows bus fare for towns between Eldoret and Kitale.

Eldoret				
50	Soy			
75	40	Matunda		
85	60	65	Mois bridge	
120	90	70	30	Kitale

Four teachers and 26 pupils travelled from Eldoret to Kitale via Matunda. If each pupil paid half fare, how much did they pay altogether?

- A. Sh.580 B. Sh.910
 C. Sh.2465 D. Sh.1275

34. Mwikali has x mangoes. This is three times as many mangoes as Mwendwa has. Nzula has twice what Mwendwa and Mwikali have. If they had 48 mangoes altogether. Which of the following equations represents the information given?

- A. $x + 3x + 8x = 48$ B. $x + 2\frac{2}{3}x = 48$
 C. $4x = 48$ D. $\frac{x}{3} + 4x = 48$

35. Wairumi has a square garden, she used 120 posts to fence round it. The interval between each post is 5 metres. What is the area of the garden in hectares?

- A. 600 B. 22500
 C. 150 D. 2.25

36. Arrange the following numbers in descending order
 23145, 23451, 23514, 23415
 A. 23514, 23451, 23415, 23145
 B. 23514, 23451, 23145, 23415
 C. 23514, 23145, 23451, 23415
 D. 23145, 23415, 23451, 23514

37. A road measuring 18cm on a map has an actual length of 36km. What was the scale used?
 A. 1:2000000 B. 1:2000
 C. 1:200000 D. 1:20000

38. The marked price of an item was Sh.24000. Henry bought it and was allowed a 25% discount. If he later sold it making a profit of 20% how much did he sell it?
 A. Sh.18000 B. Sh.21600
 C. Sh.22800 D. Sh.28800

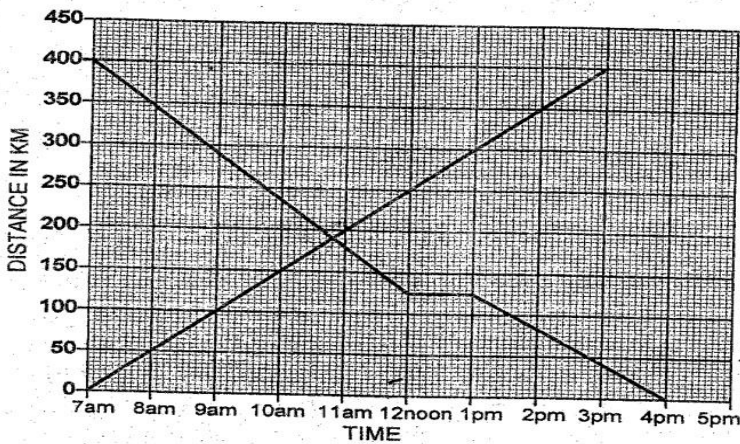
39. Mukhwana visited his aunt on 4th February 2016 and went back home in the morning of 4th may the same year. For how many nights did he sleep at his aunt's place?
 A. 88 B. 89
 C. 90 D. 91

40. Andabwa rode from home to market at an average speed of 5m/s and took 30 minutes. After having a 20 min rest, he rode back and took 25 min from market back home. What was his average speed for the whole journey in m/s?
 A. 4 B. 5
 C. 6 D. 2

41. Muholo a sweet vendor had the following amounts in his cash box
 - 250 coins of ten shillings
 - 300 coins of twenty shillings
 - 50 coins of forty shillings
 - 100 coins of five shillings
 He decided to change all these coins to fifty shillings notes. How many notes did he have?
 A. 11000notes B. 440 notes
 C. 220 notes D. 700 notes

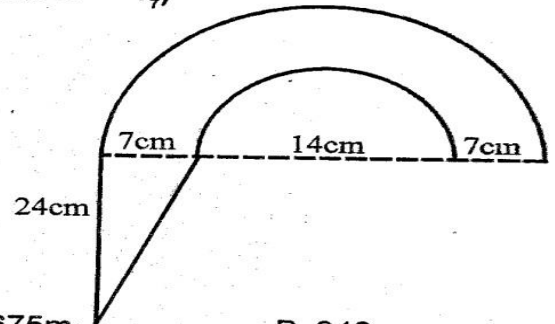
42. Mwanzo deposited Sh.120000 in a bank which charged a simple interest at the rate of $12\frac{1}{2}\%$ p.a . If he received an interest of Sh.11250, for how long was his money in the bank?
 A. 9years B. 9 months
 C. 6 months D. 6 years
43. The mean mass of 8 pupils is 65kgs. When their teacher and one pupil is added. Their mean mass becomes 68kg. If the teacher is 18kgs heavier than the pupil who was added what is the mass of the teacher?
 A. 80kgs B. 56kgs
 C. 98kgs D. 89kgs

Below is a graph showing how two motorists travelled . Use it to answer question 44.



44. What was the difference between Jalang'os and Otoyos average speed for the whole journey?
 A. $5\frac{5}{9}$ km/h B. $6\frac{4}{9}$ km/h
 C. $16\frac{2}{3}$ km/h D. $11\frac{1}{9}$ km/h
45. Milton a shopkeeper bought 4 trays of eggs at Sh.300. During transportation 40 eggs got broken and he later sold the remaining eggs making a 20% profit. How much did he sell each egg?
 A. Sh.3.00 B. Sh.18.00
 C. Sh.4.50 D. Sh.12.00

46. The figure below represents a pineapple garden. The diameter of the larger semicircle is 28m. Kiprono went round it five times. What distance did he cover in metres?
 (Take $\pi = \frac{22}{7}$)



- A. 675m B. 940m
 C. 122m D. 610m

47. What is the value of:-
 $\frac{2}{3}e^2f - \frac{1}{4}efg^2$
 if $e=3, f=2g$ and $g=e-1$?
 A. 12 B. 8
 C. 14 D. 4
48. A plane left Town A for Town B and took 4h 55 minutes. If it arrived in Town B at 0210hrs on Thursday, when had it left town A?
 A. 0705h on Thursday
 B. 2115h on Thursday
 C. 2115h on Wednesday
 D. 2155h on Wednesday
49. The floor of a square hall is completely covered by nine equal square carpets. The area of each carpet is $3\frac{6}{25}m^2$. What is the perimeter of the hall?
 A.1.8m B. 21.6m
 C. 5.4m D. 64.8m
50. How many squares can you count from the figure given below?
-
- A. 14 B. 13
 C. 12 D. 10

