1. Which one of the following is 71964205 in words?
   A. Seven hundred and nineteen million, six hundred and forty two thousand and five
   B. Seventy one million nine hundred and sixty four thousand two hundred and five
   C. Seven million one hundred and ninety six thousand two hundred and five
   D. Seventy one million nine hundred and sixty four thousand and twenty five

2. What is the place value of digit 6 after working out:- $(8.36 \times 2.4) \div 4$
   A. Ones
   B. Hundredths
   C. Tenths
   D. Thousandths

3. What is 628.6995 correct to three decimal places?
   A. 628.70
   B. 628.699
   C. 628.7
   D. 628.700

4. What is the value of:
   $$\frac{2}{5} - \frac{2}{15}(\frac{1}{4} + 1\frac{3}{4} \div 4\frac{2}{3})$$
   A. $1\frac{1}{6}$
   B. $\frac{5}{8}$
   C. $\frac{1}{6}$
   D. $\frac{19}{60}$

5. A cylindrical container has a height of 25 cm. It contains 3.925 litres of water when half full. What is its radius?
   $(\pi = 3.14)$
   A. 20 cm
   B. 10 cm
   C. 7 cm
   D. 5 cm

6. Eugene and Noel shared some money in the ratio of 3:5 respectively. Noel's share was sh 450 more than Eugene's. How much money did Eugene get?
   A. Sh 675   B. Sh 1350
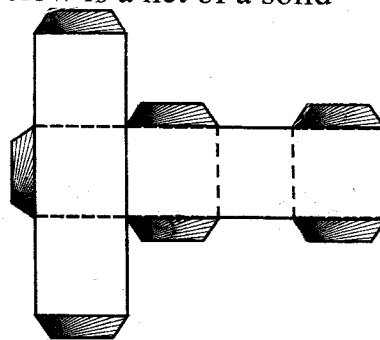   C. Sh 1700   D. Sh 639

7. Azenath bought the following items from a shop
   5 kg of onions @ sh 55.00
   3 kg of tomatoes @ sh 75.00
   $\frac{3}{4}$ kg of dania @ sh 36 per $\frac{1}{4}$ kg
   $3\frac{3}{4}$ kg of rice for sh 480

   She paid for the items using 3 five hundred shilling notes. How much balance did she get?
   A. Sh 493
   B. Sh 1088
   C. Sh 412
   D. Sh 1007

8. The distance between Mbita and Sindo 512 km. This distance is represented by 6.4 cm on a map. What is the scale used on the map?
   A. 1:800 000
   B. 1:80000
   C. 1:8000000
   D. 1:8000

9. What is the sum of the GCD of 36 and 48 and the LCM of 6 and 32?
   A. 240
   B. 14
   C. 96
   D. 108

10. What is the value of: $\dfrac{(2.5)^2 \times 4}{100 \times 0.08}$
    A. 0.3125
    B. 312.5
    C. 31.25
    D. 3.125

11. Below is a net of a solid

    Which solid is formed from the net above?
    A. Closed cuboid
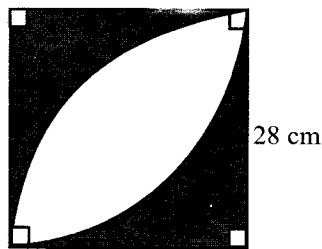   B. Open cube
    C. Closed cube
    D. Open cuboid

12. Which of the following properties is true about a rhombus and a parallelogram?
    A. Diagonals are equal
    B. There are two pairs of parallel lines
    C. Diagonals bisect each other at right angles
    D. All angles are equal

13. A milk seller bought 14 cartons each containing 25 packets of milk of 500 ml each. He packed all the milk into 2 dl packets. How many packets did he fill?
    A. 175
    B. 8750
    C. 875
    D. 1750

14. Find the area of the unshaded part in the diagram below $(\pi = \frac{22}{7})$

28 cm

28 cm

    A. 224 cm^2
    B. 336 cm^2
    C. 392 cm^2
    D. 448 cm^2

15. The median of six numbers is 19. Five of the numbers are 16, 28, 12, 33 and 14. Find the sixth number.
    A. 35
    B. 20
    C. 22
    D. 38

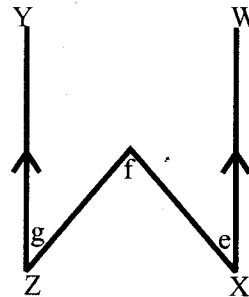16. What is the product of the next two numbers in the pattern?
    12, 14, 17, 22, 29, _____, ____
    A. 40
    B. 2120
    C. 1862
    D. 2062

17. In a village the total number of women and children was 34603. The number of women and men was 18623. If the number of men was 5984, what was the number of children?
    A. 12639
    B. 21964
    C. 28619
    D. 15980

18. In the figure below, lines YZ and WX are parallel. Which of the following statements is correct?

    A. $\angle f = 90^0$
    B. $\angle f = \angle g$
    C. $\angle e + \angle g = \angle f$
    D. $\angle f + \angle g = 80^0$

19. What is the value of: $\sqrt{11.56}$
    A. 23.12
    B. 3.4
    C. 5.78
    D. 0.34

20. In Radiant hospital, 42 babies were born. A third of the mothers gave birth to twins, $\frac{1}{3}$ gave birth to triplets each and the rest had single babies each. What was the total number of mothers who gave birth on that day?
    A. 21
    B. 77
    C. 14
    D. 7

21. What is the value of x in the equation?

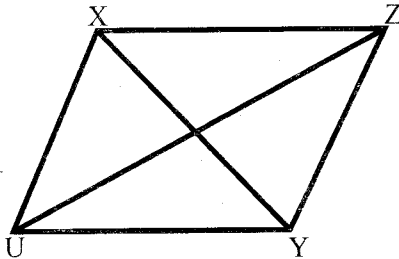$$\frac{3x + 4}{5} + \frac{2x - 1}{2} = 4\frac{1}{2}$$

    A. $2\frac{5}{8}$

    B. 5

    C. $3\frac{1}{16}$

    D. $8\frac{2}{5}$

22. The table below shows the collection of ripe tomatoes from Abuya's garden in one week.
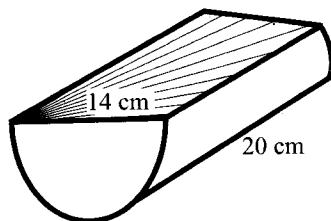
Day	Mon	Tue	Wed	Thur	Fri	Sat	Sun
No. of tomatoes	60	52	68	80	60	56	88

He sold the tomatoes in groups of 4 for sh 10. What was his total sales?
A. Sh 1010
B. Sh 1200
C. Sh 1500
D. Sh 1160

23. A meeting started at 9.45 am and continued for 2 ½ hrs before 50 minutes break. It then continued uninterrupted until 1625 hr. How long did the last session of the meeting take?
A. 3hr 20 min
B. 1 hr 20 min
C. 1:20 pm
D. 3:20 pm

24. In the figure below XY and UZ are diagonals of the rhombus measuring 6cm and 8 cm respectively. What is the area of the rhombus?

A. 6 cm^2
B. 20 cm^2
C. 25 cm^2
D. 24 cm^2

25. The figure below is a solid wood. Calculate the total area of its faces.

A. 797 cm^2
B. 874 cm^2
C. 594 cm^2
D. 1050 cm^2

26. Which of the following measurements will give a right-angled triangle?
A. 0.25 m, 0.6 m, 0.65 m
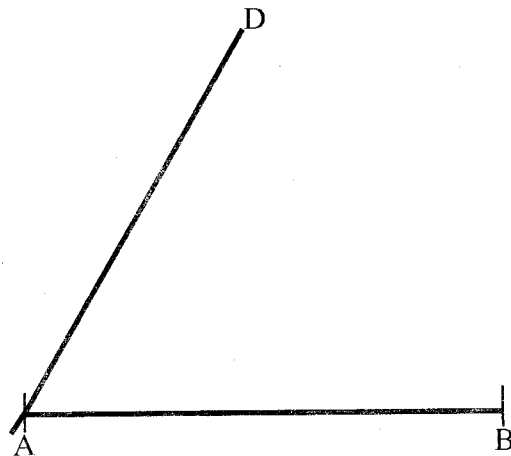B. 0.9 m, 0.8 m, 2.5 m
C. 1.5 m, 0.4 m, 0.25 m
D. 1.4 m, 2.4 m 0.65 m

27. A cylindrical tank holds 30.8 litres of petrol when full. If its height is 50 cm, calculate its diameter.
A. 28 cm
B. 196 cm
C. 14 cm
D. 7 cm

28. Ndambuki uses his weekly wages as follows: $\frac{3}{8}$ on food and $\frac{1}{3}$ of the remainder on paraffin. He saves the rest. If he saves sh 560, how much does he use on paraffin?
A. Sh 210
B. Sh 336
C. Sh 350
D. Sh 280

29. The diagram below shows two sides of a parallelogram ABCD drawn to scale.

Complete the parallelogram and locate the point C. Draw diagonals AC and BD to meet at point M. What is the size of angle CMB?
A. 93^0
B. 87^0
C. 60^0
D. 120^0

30. In an election, a candidate got 0.425 of the votes cast while the other two got 0.39 and 0.183 respectively. There were 48 spoilt votes. How many votes did the winner get?
   A. 10200
   B. 2400
   C. 9360
   D. 4392

31. The table below shows fares in shillings between towns H, K, L, M and N

H				
45	K			
60	25	L		
110	70	75	M	
130	90	88	45	N

   Eighteen passengers boarded the bus at town H. 7 of them alighted at town L and the rest continued to town N. How much was collected from the passengers?
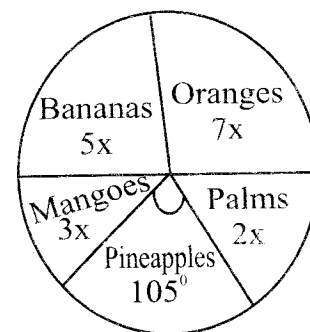   A. Sh 2340
   B. Sh 1850
   C. Sh 1388
   D. Sh 1430

32. The marked price of an item is sh 7500 and the hire purchase price is 20% more. Vidah bought it on hire purchase terms by paying a deposit of sh 3000 and monthly instalments of sh 750 each. In how many months did she complete the payment?
   A. 12
   B. 8
   C. 10
   D. 6

33. Construct a triangle XYZ where XY = 5 cm, angle XYZ = 86^0, ZXY = 55^0. Draw a perpendicular line from Y to meet XZ at T. Measure YT.
   A. 4.1 cm
   B. 4.7 cm
   C. 4.4. cm
   D. 5 cm

34. Which number should multiply 0.006 to make it 6000?
   A. 10000
   B. 1000
   C. 1000000
   D. 10000

35. Lilian has 3 more bananas than Rachael and 4 less than Winnie. They have 28 bananas altogether. If Lilian has x bananas, which of the following equations represents this information?
   A. 3x + 1 = 28
   B. 3x + 7 = 28
   C. 3x - 7 = 28
   D. 3x - 1 = 28

36. 48 people can complete a piece of work in 24 hrs. After working for 4 hrs, 16 people left the contract. How many hours did the whole work take to be completed?
   A. 34 hrs
   B. 6 hrs
   C. 10 hrs
   D. 30 hrs

37. The pie chart below shows sales of fruits. If the sales of palms was sh 720, how much more sales were from oranges than bananas?

   A. Sh 720
   B. Sh 1800
   C. Sh 2520
   D. Sh 8640

38. The following statements are true about a rhombus except:-
   A. all sides are equal
   B. opposite angles are equal
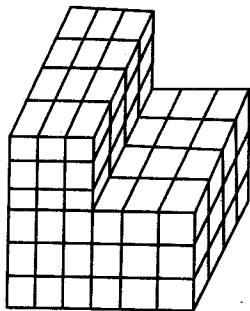   C. diagonals meet at right angles
   D. all angles are right angles

39. There is a loss of 25% when a shirt is sold at sh 225. At what price should it be sold in order to make a profit of 5%?
    A. Sh 236.25
    B. Sh 315.00
    C. Sh 295.31
    D. Sh 300.00

40. A mason used 1040 square tiles to completely cover the floor of a hall. What is the area of the floor if one side of the tiles is 15 cm?
    A. 23400 cm^2
    B. 234000 cm^2
    C. 2340 cm^2
    D. 2.304 cm^2

41. How many cubes are needed to complete the stack below into a cube?

    A. 108
    B. 144
    C. 36
    D. 72

42. Kones borrowed some money at a simple interest of 12% p.a. After 18 months he had paid a total of sh 5400 as interest. How much money had he borrowed?
    A. Sh 35400
    B. Sh 37900
    C. Sh 30000
    D. Sh 7900

43. Draw a circle which passes through points AB and C of a triangle ABC in which AB =3.6 cm, BC = 4.8 cm and CA = 6 cm. What is the diameter of the circle?
    A. 2.4 cm
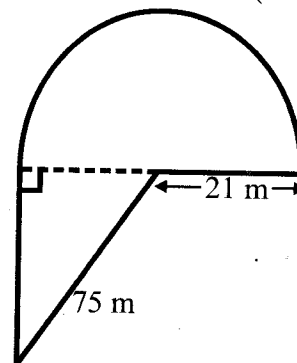   B. 6 cm
    C. 1.2 cm
    D. 3 cm

44. A shopkeeper gives a 5% discount on each item valued sh 7400 and above. Maurice bought two bicycles at sh 8400 and a DVD at sh 6800. How much did he pay for the items?
    A. Sh 23600
    B. Sh 22760
    C. Sh 15960
    D. Sh 14780

45. A tourist travelled by bus from 11.30 am to 1.30 hrs covering 120 km. He then travelled for another two hours in a matatu whose average speed was 80 km/hr. What was the average speed in km/h for the whole journey?
    A. 70 kmhr
    B. 80 km/hr
    C. 60 km/hr
    D. 65 km/hr

46. Midigo's plot of land has the shape shown below. The radius of semi-circular part is 21 m. He erected fencing poles at an interval of 2 metres. $(\pi = \frac{22}{7})$

    How many poles did he erect?
    A. 82
    B. 118
    C. 81
    D. 117

47. Simplify the following expression.
    $$\frac{2y + 4(y+3z) -3y+6z}{6(2y-3z)}$$

    A. $\frac{y}{4y}$

    B. $\frac{y+z}{4y-z}$
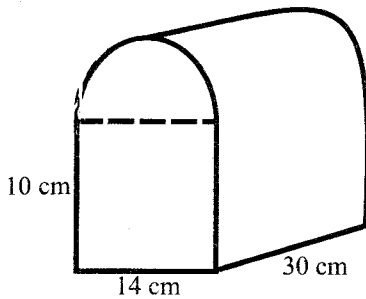
    C. $\frac{y+6z}{4y-6z}$

    D. $\frac{1y}{3y}$

48. The table below shows postal charges for sending surface and air parcels.

SURFACE PARCELS		
Mass	Shs	Cts
Up to 1 kg	350	00
Over 1 kg up to 3 kg	450	00
Over 3 kg up to 5 kg	600	00
Over 5 kg up to 10 kg	1400	00
AIR PARCELS	Shs	Cts
1st 400 g or part thereof	620	00
Each additional 400 g or part thereof up to 11.5 kg	60	00

How much did Majid spend for sending two surface parcels weighing 1800 g and 3.8 kg respectively and one air parcel weighing 1 kg?
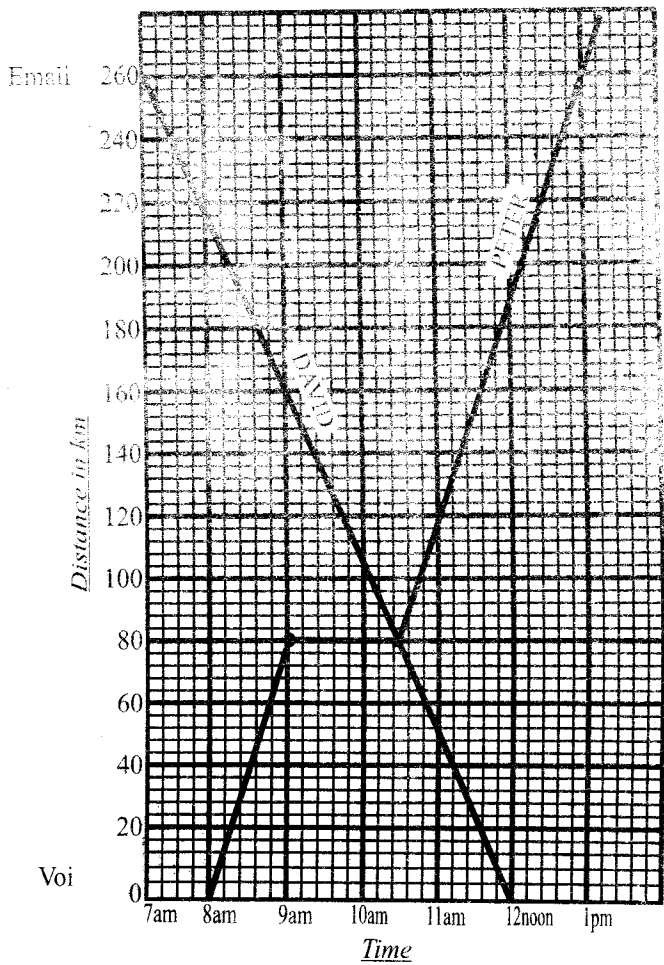
A. Sh 1790
B. 1600
C. Sh 16 70
D. Sh 1730

49. Calculate the volume of the figure below.

10 cm
14 cm
30 cm

A. 13,200cm³
B. 6510 cm²
C. 4200 cm³
D. 7140 cm³

50. The graph below shows Peter's journey from Voi to Emali and David's journey from Emali to Voi

How far from Voi was David when he met Peter?
A. 80 km
B. 120 km
C. 180 km
D. 260 km.