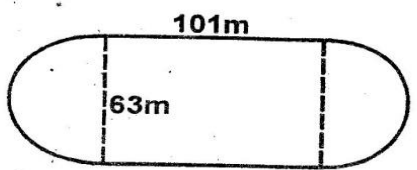


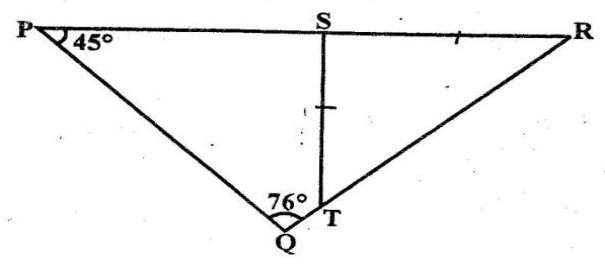
- What is the value of digit 4 in the number 29.349?  
A. Hundredths                      B. Four hundredths  
C. 40                                      D. Four tenths
- Which one of the following numbers is five million, forty three thousands and twenty one?  
A. 5040321                      B. 5403021  
C. 5430021                      D. 5043021
- What is the value of  $\frac{2(6^2 + 4^2)}{2(7 - 5)} - 8$   
A. 2                                      B. 14  
C. 18                                      D. 24
- What is the smallest number that can be divided by 12, 18 and 27 without a remainder?  
A. 108                                      B. 36  
C. 3    D. 5832
- Chogo slept at 2315h on Sunday and woke up six hours later. On what day and time did he wake up?  
A. Sunday 5:15am  
B. Monday 5:15pm  
C. Monday 5:15am  
D. Sunday 5:15pm
- The mean of six numbers is 5.5. Five of these numbers are 2, 4, 8, 4 and 10. What is the median of the six numbers?  
A. 4    B. 4.5  
C. 5    D. 5.5
- What is the perimeter of the track below?  
(Take  $\pi = \frac{22}{7}$ )



- A. 198m                                      B. 301m  
C. 328m                                      D. 400m

- A wheel covers a distance of 44 metres after making 10 revolutions. What is the radius of the wheel in metres? (Take  $\pi = \frac{22}{7}$ )  
A. 0.7                                      B. 1.4  
C. 2.2                                      D. 7.0
- After 25% of water leaked from a tank, 375 litres still remained. How many litres of water leaked?  
A. 125                                      B. 500  
C. 93.75                                      D. 1500
- What is 1.2997 correct to three decimal places?  
A. 1.3    B. 1.300  
C. 1.299                                      D. 1.290
- Which quadrilateral has the properties listed below?  
*(i) Opposite sides are parallel*  
*(ii) All sides are equal*  
*(iii) Opposite angles are equal*  
*(iv) Diagonals are unequal and bisect each other at right angles*  
A. Rectangle                                      B. Trapezium  
C. Rhombus                                      D. Square

- In the figure below lines, ST and SR are equal, Angle RPQ = 45° and angle PQR = 76°. What is the size of angle RST?



- A. 135°    B. 121°  
C. 118°    D. 62°

- Hope paid Sh.10200 for a cupboard after getting a discount of 15%. What was the marked price of the cupboard?  
A. Sh.1530                                      B. Sh.8670  
C. Sh.11730                                      D. Sh.12000

14. A trader deposited Sh.300000 at the bank that paid compound interest at the rate 5% p.a. How much was in her account at the end of two years?  
 A. Sh.330750      B. Sh.330,000  
 C. Sh315, 000      D. Sh.30750

15. What is the expression  $5(2x + 2) - 3(3x + 5)$  in its simplified form?  
 A.  $x + 5$       B.  $x - 5$   
 C.  $19x + 5$       D.  $x + 25$

16. A carton has a mass of 1.5kg when empty. It is packed with books and the total mass becomes 3.5kg. If each book has a mass of 200g, how many books were packed?  
 A. 100      B. 25  
 C. 10      D. 17.5

17. Draw a rhombus WXYZ in which angle WXY =  $115^\circ$  and the sides of the rhombus are 7 cm. Drop a perpendicular from Z to meet line WX at R. What is the measure of angle RZW?  
 A.  $55^\circ$       B.  $60^\circ$   
 C.  $90^\circ$       D.  $25^\circ$

18. During a birthday party,  $\frac{3}{8}$  of the children were girls. If there were 270 boys, how many girls were present?  
 A. 162      B. 180  
 C. 405      D. 675

19. What is the next number in the sequence below?  
 $1\frac{1}{8}, 1\frac{1}{2}, 1\frac{7}{8}, \underline{\hspace{2cm}}?$   
 A.  $2\frac{1}{2}$       B.  $2\frac{1}{8}$   
 C.  $2\frac{1}{4}$       D.  $2\frac{3}{8}$

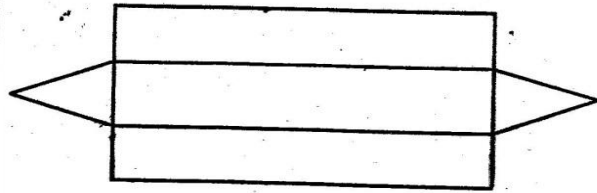
20. What is the value of :-

$$\frac{0.21 \times 0.35 \times 26.7}{4.9 \times 0.015 \times 8.9}$$

- A. 0.03      B. 0.3  
 C. 3      D. 30

21. Draw triangle JKL of length, JK = 5cm, KL = 6cm and JL = 7cm. Draw a circle that touches all its vertices. What is the measure of its radius?  
 A. 3.6cm      B. 6cm  
 C. 1.8cm      D. 5cm

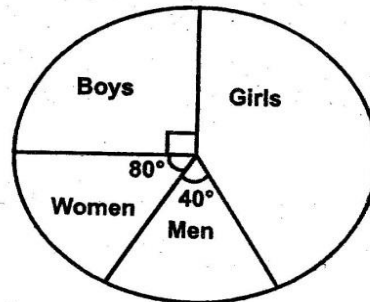
22. Below is a net of a solid.



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

- A. Rectangular prism  
 B. Triangular pyramid  
 C. Rectangular pyramid  
 D. Triangular prism

23. The population of Ivona village is represented by the pie chart below.

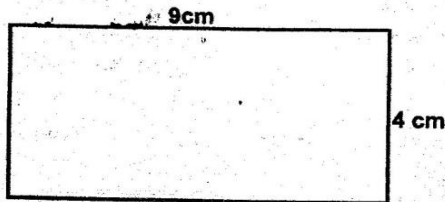


If there are 300 girls, how more boys than men were there?

- A. 80      B. 100  
 C. 180      D. 50



24. The diagram below show a plot of land drawn to scale of 1:10,000. What is the actual area of the plot in m<sup>2</sup>?



- A. 36  
B. 3,600  
C. 360,000  
D. 3600,000
25. Below is a table showing charges for sending money order.

Value of order	Commission Charged	
	Sh.	Cts
Not over 1000	55	00
1001 - 2000	89	50
2001 - 3000	102	50
3001 - 5000	135	00
5001 - 8000	205	00

Mr. Sabali wanted to send 7 500 shillings to his son, how much did he pay at the post office altogether?

- A. Sh.205  
B. Sh.75000  
C. Sh.135  
D. Sh.7705
26. Six men can complete a job in 20 days , if the men work at the same rate. How many more are needed to complete the job in 12 days?
- A. 16  
B. 10  
C. 8  
D. 4

27. Musimbi is  $x$  years old now, she is  $y$  years older than her son. Which of the following expressions represent the sum of their ages in ten years time?
- A.  $x - y + 10$   
B.  $x + y + 20$   
C.  $2x - y + 20$   
D.  $2x - y + 10$

28. What is  $1\frac{1}{2}\%$  expressed as a ratio of its simplest form?
- A. 3:2  
B. 2:300  
C. 3:200  
D. 200:3

29. In a class of 50 pupils, the mean score in English test is 60. The mean score for the last 40 pupils was 55, what was the total score for the first 10 pupils?
- A. 800  
B. 600  
C. 2200  
D. 3000

30. The table below shows the distance in kilometres between schools in Vihiga.

Chango		
5	Chavugami	
20	15	Ikumba
40	23	7 Vihiga

Semo walked from Vihiga to Chango through Chavugami. How many kilometres did he cover?

- A. 40  
B. 28  
C. 23  
D. 20
31. How many days were there from 1<sup>st</sup> January to 31<sup>st</sup> March 2012?
- A. 89  
B. 90  
C. 91  
D. 92

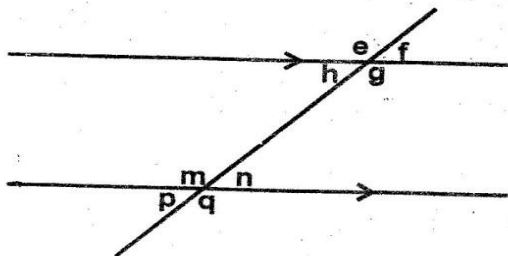
32. A cylindrical container has an internal radius of 7cm and height of 5cm. What is its capacity in litres? ( Take  $\pi = \frac{22}{7}$  )  
 A. 0.77                                      B. 7.7  
 C. 77    D. 770
33. What is the surface area of a cylindrical rod of height 17cm and diameter 14cm?  
 ( Take  $\pi = \frac{22}{7}$  )  
 A. 748cm<sup>2</sup>                                      B. 1056cm<sup>2</sup>  
 C. 902cm<sup>2</sup>                                      D. 2728cm<sup>2</sup>
34. The perimeter of a rectangular plot of land is 280 metres. The width of the plot is 60 metres. What is the length of the plot?  
 A. 70m    B. 80m  
 C. 110m                                         D. 160m
35. How many fencing posts, spaced 5m apart, are required to fence a rectangular plot 745m by 230m?  
 A. 391    B. 390  
 C. 195    D. 196
36. The fractions  $\frac{3}{7}, \frac{2}{5}, \frac{1}{2}, \frac{5}{8}$  are to be arranged from the smallest to the largest. Which one of the following is the correct order?  
 A.  $\frac{1}{2}, \frac{2}{5}, \frac{3}{7}, \frac{5}{8}$                                       B.  $\frac{3}{7}, \frac{2}{5}, \frac{1}{2}, \frac{5}{8}$   
 C.  $\frac{2}{5}, \frac{3}{7}, \frac{1}{2}, \frac{5}{8}$                                       D.  $\frac{5}{8}, \frac{1}{2}, \frac{3}{7}, \frac{2}{5}$
37. Onzere wants to get change for a Sh.1000 note. The change is to consist of Sh.500, Sh.200, Sh.100, Sh.50 notes. What is the smallest number of notes he can get?  
 A. 4     B. 5  
 C. 6     D. 7
38. What is 340068 divided by 17?  
 A. 20004                                         B. 2004  
 C. 204     D. 24
39. A car travelled at an average speed of 108 km/hr. What was this speed in metres per second?  
 A. 3     B. 30  
 C. 300     D. 10.8
40. Amimo bought the following items from a kiosk  
 2kg of rice for Sh.152  
 1  $\frac{1}{2}$ kg of meat @ Sh.160  
 2 loaves of bread @ Sh.23  
 What balance did she receive if she paid for the items using Sh.1000 note?  
 A. Sh.438                                         B. Sh.562  
 C. Sh.410                                         D. Sh.665
41. A salesman is paid a salary of Sh.5000 per month. He is also paid a 2.5% commission on sales above Sh.100,000. If he sold goods worth Sh.500,000 in a certain month, what was his total earnings?  
 A. Sh. 10, 000                                      B. Sh. 12, 500  
 C. Sh. 15,000                                      D. Sh. 17,000
42. Draw triangle XYZ in which XY = 5.5 cm, angle YXZ = 70° and angle ZYX = 65°. Draw a circle whose circumference touches the three sides of the triangle. What is the radius of the circle?  
 A. 3.9cm    B. 2.8cm  
 C. 1.9cm    D. 3.6cm
43. Omega deposited Sh.4800 in a bank which paid interest at a rate of 12% p.a. How much did he have in the bank after six months?  
 A. Sh.288                                         B. Sh.5088  
 C. Sh.5376                                         D. Sh. 8256



44. Which one of the following numbers has the smallest value?

- A. 555050                      B. 505505  
C. 550550                      D. 505055

45. The figure below shows angles formed by a pair of parallel lines and a transversal line.



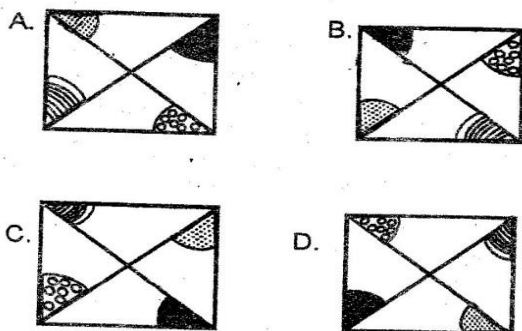
In which group below, are each of the angles equal to  $n$ ?

- A. p, h, f                      B. p, q, f  
C. p, m, f                      D. p, g, f

46. The shapes below shows a sequence of pattern



Which one of the following would be the next in the pattern?



47. What is the value of  $n$  in the equation

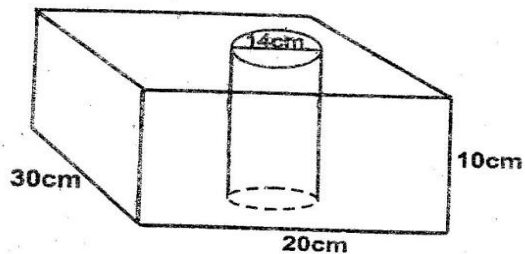
$$\frac{2n - 3}{3} + \frac{2n}{5} = 37$$

- A.  $3\frac{3}{4}$                       B. 3  
C.  $1\frac{7}{8}$                       D. 12

48. Kunaiza and Maina shared profit from the fish sale in the ratio 3:4. If the profit was Sh.8400, how much money did Kunaiza get?

- A. Sh.3600                      B. Sh.4800  
C. Sh.6300                      D. Sh.1120

49. Olindo made a hollow block as shown in the diagram below.



The measurements of the block are 30cm by 20cm by 10cm. The diameter of the hollow cylinder space is 14cm. What is the volume of the block? (Take  $\pi = \frac{22}{7}$ )

- A.  $7540\text{cm}^3$                       B.  $6000\text{cm}^3$   
C.  $4460\text{cm}^3$                       D.  $1540\text{cm}^3$

50. How many groups of hundreds are there in the total value of digit 5 in the number 450319.2?

- A. 50                      B. 500  
C. 5000                      D. 50000