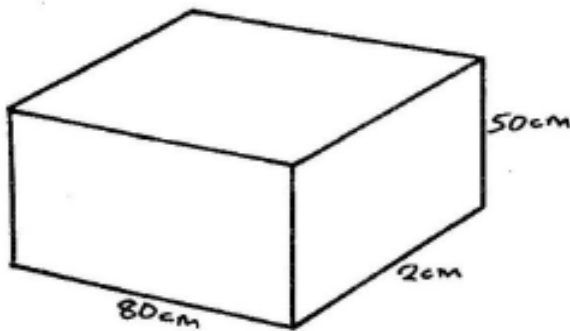




14. What is the volume of the figure below in litres?



- A. 8000 litres                      B. 800000 litres  
C. 800 litres                        D. 8 litres

15. Wendi paid Sh 200 for a skirt after getting a discount of 20%. What was the marked price of the skirt?

- A. Sh 350                              B. Sh 240  
C. Sh 250                              D. Sh 150

16. What is 38152 divided by 19?

- A. 20008                                B. 2008  
C. 208                                    D. 28

17. Multiply:

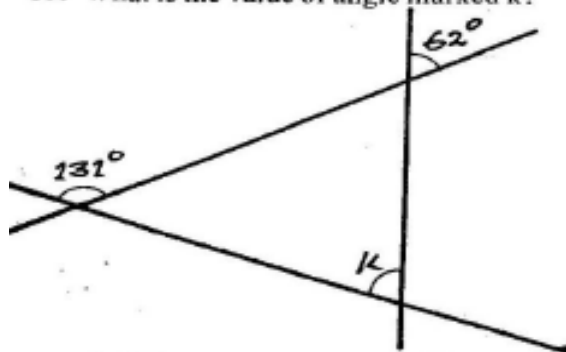
$$6754 \times 245$$

- A. 1654730                              B. 1653730  
C. 1654630                              D. 1653630

18. What is the reciprocal of  $6\frac{2}{7}$ ?

- A.  $\frac{47}{1}$                                       B.  $1\frac{2}{7}$   
C.  $\frac{7}{47}$                                       D.  $\frac{47}{5}$

19. What is the value of angle marked k?



- A.  $62^\circ$                                       B.  $69^\circ$   
C.  $49^\circ$                                       D.  $111^\circ$

20. Work out  $719.46 + 0.008 + 9.87$

- A. 729.338                              B. 728.338  
C. 729.238                              D. 719.338

21. What is the perimeter of a square whose area is  $2025\text{m}^2$ ?

- A. 90m                                    B. 45m  
C. 180m                                 D. 200m

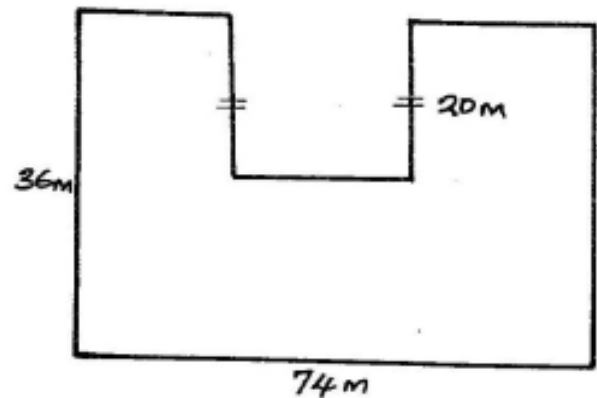
22. How many  $\frac{3}{4}$  kg packets can be obtained from 60kg of sugar?

- A. 80                                        B. 45  
C. 50                                        D. 20

23. What is the product of 2.08 and 8.3?

- A. 17.244                                B. 17.264  
C. 1666.4                                D. 16.264

24. What is the perimeter of the figure below?



- A. 240m                                    B. 220m  
C. 224m                                    D. 260m

25. Work out:-

$$3 \overline{) 8 \text{ tonnes } 127\text{kg } 51\text{g}}$$

- A. 2T 709kg 17g                        B. 2T 109kg 17g  
C. 2T 42kg 17g                         D. 2T 42kg 50g

26. Convert  $0.0012\text{m}^3$  to  $\text{cm}^3$

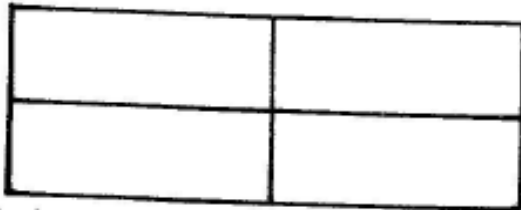
- A.  $0.12\text{m}^3$                               B.  $12\text{cm}^3$   
C.  $1200\text{cm}^3$                             D.  $120\text{cm}^3$

27. What is the value of  $x$  in  $8x - 24 = 48$   
 A. 3  
 B. 9  
 C. 6  
 D. 12

28. Which among the following was a leap year?  
 A. 1992  
 B. 1990  
 C. 1986  
 D. 1978

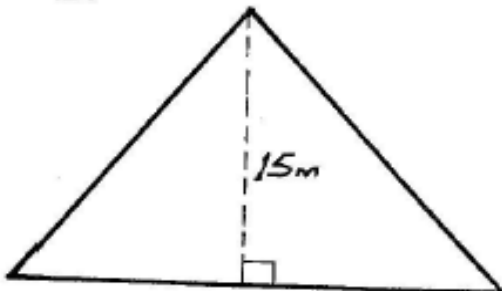
29. Convert 0.008 into a fraction in its simplest form  
 A.  $\frac{8}{1000}$   
 B.  $\frac{4}{500}$   
 C.  $\frac{2}{250}$   
 D.  $\frac{1}{125}$

30. How many rectangles can you count from the figure below?



- A. 9  
 B. 7  
 C. 5  
 D. 4

31. Calculate the base measurement of the triangle below if its height is 15cm and the area is  $279\text{cm}^2$ .



- A. 9cm  
 B. 36cm  
 C. 18cm  
 D. 42cm

2. An aeroplane left Johannesburg for Nairobi at 2145h and reached Nairobi after  $3\frac{1}{2}$  hours. At what time did the plane reach Nairobi?

- A. 5.15am  
 B. 1.15pm  
 C. 1.15am  
 D. 12.15am

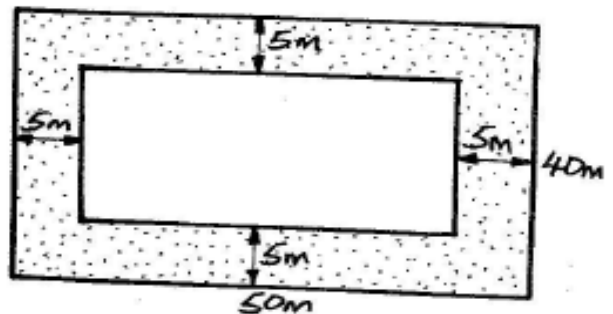
3. What is the supplementary of angle  $23^\circ$ ?

- A.  $67^\circ$   
 B.  $147^\circ$   
 C.  $157^\circ$   
 D.  $167^\circ$

34. A pair of shoes was bought at Sh 500 and later sold at Sh 625. What was the percentage gain?  
 A. 125%  
 B. 25%  
 C. 20%  
 D.  $2\frac{1}{2}\%$

35. Ian drove from Kakamega to Kisumu a distance of 180km in 1hr. What was the speed in m/s?  
 A. 180m/s  
 B. 10m/s  
 C. 5m/s  
 D. 50m/s

36. Calculate the area of the unshaded part.

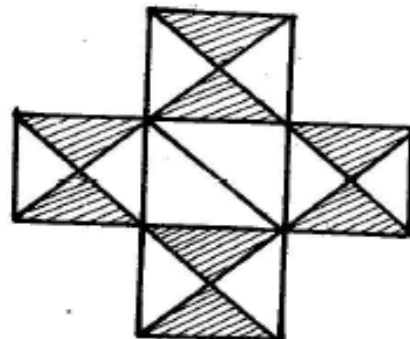


- A.  $2000\text{m}^2$   
 B.  $1200\text{m}^2$   
 C.  $800\text{m}^2$   
 D.  $2800\text{m}^2$

37. Change 14400 seconds into hours  
 A. 240 hours  
 B. 4hrs  
 C. 120hrs  
 D. 40 hrs

38. Write 449 in Roman numbers  
 A. IVXLIX  
 B. DCLXIX  
 C. DCXLIX  
 D. XDXLIX

39. What percentage of the figure below is shaded?



- A. 40%  
 B. 8%  
 C. 60%  
 D.  $33\frac{1}{3}\%$

40. Simplify  $13x + 17y + 7x - 8y$   
 A.  $20x + 9y$                       B.  $20x + 25y$   
 C.  $20x - 25y$                       D.  $20x - 9y$

41. Arrange the following fractions in ascending order

$$\frac{4}{5}, \frac{3}{4}, \frac{11}{12} \text{ and } \frac{7}{8}$$

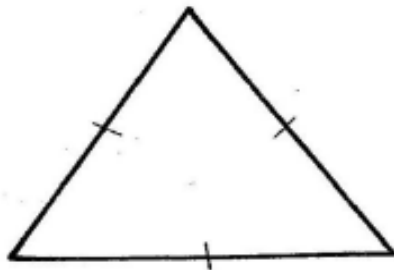
- A.  $\frac{11}{12}, \frac{7}{8}, \frac{4}{5}, \frac{3}{4}$                       B.  $\frac{3}{4}, \frac{4}{5}, \frac{11}{12}, \frac{7}{8}$   
 C.  $\frac{3}{4}, \frac{4}{5}, \frac{7}{8}, \frac{11}{12}$                       D.  $\frac{4}{5}, \frac{3}{4}, \frac{7}{8}, \frac{11}{12}$
42. Mirikau's land measures 560 metres long. On a map he drew it as 8cm. What scale did he use?  
 A. 1:70                                      B. 1:700  
 C. 1:7000                                    D. 1:70000

43. A land measures 800m by 300m. What is the area in hectares of the land?  
 A. 240000ha                                B. 2400ha  
 C. 240ha                                      D. 24ha

44. If 60% of a number is 300. What is 40% of the number?  
 A. 500                                        B. 200  
 C. 180                                        D. 120

45. What is the value of  $8\frac{3}{5} \div 2\frac{13}{15}$   
 A.  $\frac{43}{75}$                                         B.  $\frac{49}{13}$   
 C. 4    D. 3

46. The triangle below is called:-



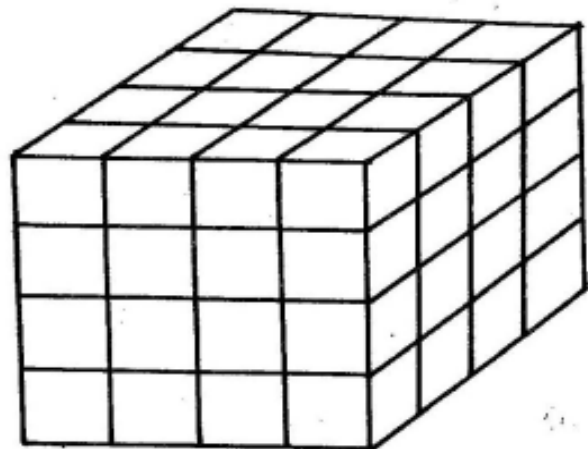
- A. right angled                              B. isosceles  
 C. equilateral                                D. square

47. By selling an item for sh. 2100 a trader made a loss of 30%. Calculate his loss?  
 A. Sh 4700                                  B. Sh 630  
 C. Sh 900                                    D. Sh 700

48. An empty carton weighs 750g. It contains 10 packets of tea leaves each weighing 250g. What is the weight of 40 such cartons full of tea leaves in kg?  
 A. 32.5kg                                    B. 30kg  
 C. 100kg                                      D. 130kg

49. Subtract 1909457 from 4000718  
 A. 5910175                                  B. 2091261  
 C. 2101261                                  D. 3091261

50. How many cubes are stack in the figure below?



- A. 81    B. 64  
 C. 48    D. 32