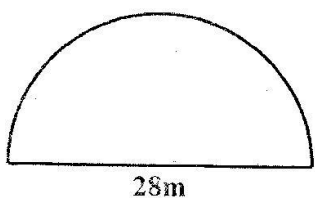


CLASS 7 END TERM 3 DECEMBER 2021

MATHEMATICS

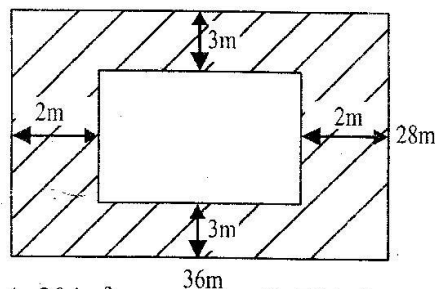
1. Which one of the following is 9,009 009?
 A. Nine million nine hundred and nine
 B. Nine hundred thousand nine hundred and nine
 C. Nine hundred million nine thousand and one
 D. Nine million nine thousand and nine
2. What is the value of $14 + 6 \times 4 - 24 \div 4$?
 A. 32 B. 74
 C. 14 D. 3.5
3. What is 86542 rounded off to the nearest thousands?
 A. 86500 B. 86000
 C. 87000 D. 90,000
4. Which number is divisible by 11?
 A. 150161 B. 76379
 C. 620182 D. 79218
5. What is the total value of digit 8 in 56.983?
 A. 8 B. 0.08
 C. 56.98 D. 80
6. Find the perimeter of the figure below.
 (Take $\pi = \frac{22}{7}$)



- A. 44m B. 88m
 C. 36m D. 72m
7. **Work out:**

$$\begin{array}{r} 0.51 \times 0.25 \\ \hline 0.17 \end{array}$$
 A. 7.5 B. 0.75
 C. 0.075 D. 75

8. Increase 600kg by 120%
 A. 720kg B. 1320kg
 C. 120kg D. 840kg
9. Solve the inequality below;
 $5k - 8 > 3k + 2$
 A. $k < 5$ B. $k > 1\frac{1}{4}$
 C. $k > 5$ D. $k > 3$
10. A lorry left Kisumu at 1835 hours and took 9 hours 40 minutes to reach Nairobi. At what time did it reach Nairobi?
 A. 4.15 p.m B. 0415 hours
 C. 2815 hours D. 0315 hours
11. Maelim had a sugarcane 12m long. If he cut it into equal pieces, each measuring 2m, how many times did he cut the cane?
 A. 6 B. 7
 C. 5 D. 10
12. What is the missing number in the pattern
 2, 3, 5, 7, _____, 13, 17?
 A. 9 B. 10
 C. 8 D. 11
13. Work out: $1\frac{5}{6} + \frac{1}{3}$ of $(3\frac{1}{2} - 2\frac{1}{4})$
 A. $3\frac{1}{2}$ B. $2\frac{1}{4}$
 C. $2\frac{1}{5}$ D. $3\frac{1}{2}$
14. Find the area of the shaded part.



- A. 304m^2 B. 794m^2
 C. 244m^2 D. 244m^2

15. Subtract;

L	dl	ml
25	7	45
-12	9	65

- A. 13L 2dl 20dl
 B. 12L 7dl 80ml
 C. 12L 8dl 80ml
 D. 11L 7dl 80ml

16. Simplify by removing the brackets

$$\frac{1}{2}(6x + 8y) + \frac{1}{4}(8x - 12y)$$

- A. $5x + y$ B. $5x + 7y$
 C. $5x - 7y$ D. $5x - y$

17. Express 0.625 as a percentage

- A. 62.5% B. 625
 C. 6.25 D. 0.625%

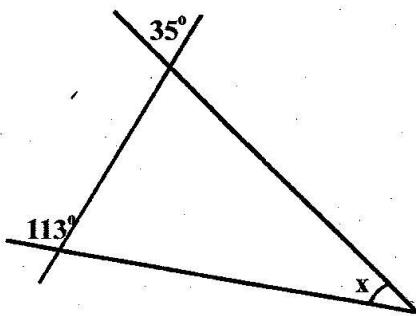
18. Three bells were set to ring at intervals of 15 minutes, 20 minutes and 30 minutes respectively. If the three clocks were set at the same time at 10.35 a.m, when did they ring together again?

- A. 12.35 am B. 12.36 pm
 C. 11.35am d. 11.35 PM

19. Divide 7107 by 23

- A. 309 B. 3009
 C. 39 D. 30009

20. Find the value of x in the figure below.



- A. 58° B. 78°
 C. 112° D. 65°

21. Wanyama scored 18 out of 25 marks in mathematics test. How many marks did he get as a percentage?

- A. 90% B. 80%
 C. 88% D. 72%

22. Makanyage bought the following items from a shop;

3kg of sugar @ sh. 95

5kg of flour for sh 475

5 packets of milk at sh 40

If he paid for the items using two five hundred-shillings notes, what balance did he get?

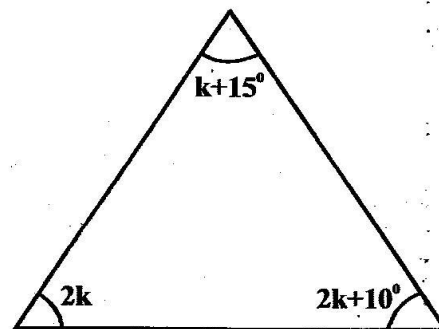
- A. Sh 960 B. Sh 610
 C. Sh 390 D. Sh 40

23. What is the value of

$$\frac{6^2 - 6}{3} - 3$$

- A. 5 B. 11
 C. 7 D. 13

24. Find the value of the smallest angle in the triangle below.



- A. 31° B. 46°
 C. 62° D. 72°

25. Miano bought a shirt for sh 360 and sold it at a profit of 20%. Find his selling price

- A. Sh 382 B. Sh 432
 C. Sh 288 D. Sh 423

26. If $\frac{3}{4}$ of a number is 48. What is the value of the number?

- A. 36 B. 12
 C. 72 D. 64

27. Round off 53876 to the nearest thousand

- A. 53000 B. 50000
 C. 53800 D. 54000

28. How many cubic metres are there in $324\,900\text{cm}^3$?

- A. 32.49m^3 B. 0.3249m^3
 C. 3.24m^3 D. 0.003249m^3

29. Work out: $(5\frac{3}{5})^2$

A. $25\frac{9}{25}$

B. $16\frac{3}{5}$

C. $31\frac{9}{25}$

D. $10\frac{1}{5}$

30. Malube ate $\frac{1}{5}$ of a mango on Monday, $\frac{1}{3}$ on Tuesday. If the remaining he shared with his friends. What fraction did he share?

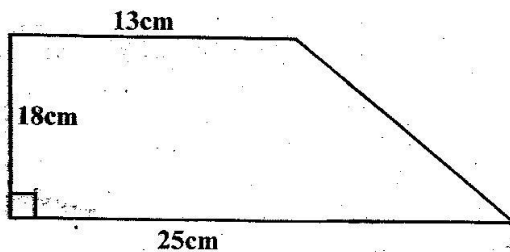
A. $\frac{7}{15}$

B. $\frac{6}{15}$

C. $\frac{8}{15}$

D. $\frac{9}{15}$

31. Find the area of the figure below



A. 408cm^2

B. 324cm^2

C. 322cm^2

D. 342cm^2

32. Find the difference between the L.C.M and H.C.F of 8, 12 and 16

A. 52

B. 48

C. 44

D. 36

33. Work out: $4.63 - 2.75 + 2.09 - 3.002$

A. 0.968

B. 6.971

C. 0.0968

D. 0.689

34. Mr. Korir walked 60% of his journey and drove the rest. If he drove 20km. How long was his journey?

A. 50km

B. 40km

C. 65km

D. 70km

35. Solve: $95^2 + 11^2 - 13^2 =$

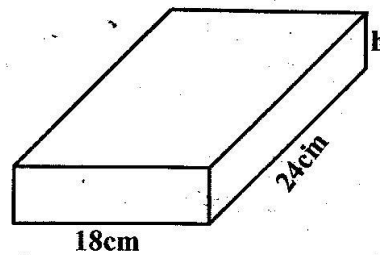
A. 9977

B. 8797

C. 8977

D. 8799

36. The volume of the cuboid below is 5184cm^3



Find its height.

A. 16cm

B. 14cm

C. 11cm

D. 12cm

37. Musan's family uses 2.4 litres every morning and 1.2 litres in the evening. How many decilitres of milk does the family use in 3 days?

A. 360dl

B. 10.8dl

C. 108dl

D. 10800dl

38. In a drawing 5cm represented 20km, what will 3cm represent?

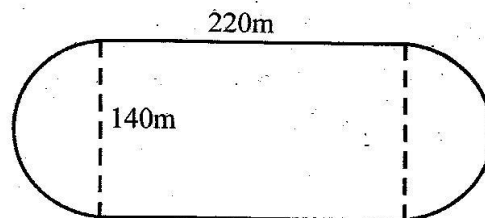
A. 12km

B. 16km

C. 24km

D. 28km

39. Nyoike went round the field below 8 times.



What distance in kilometres did he cover?

A. 0.880km

B. 7.400km

C. 0.704km

D. 7.04km

40. Draw a triangle JKL in which JK=6cm, angle JKL=120° and line KL=7cm. Measure angle KJL

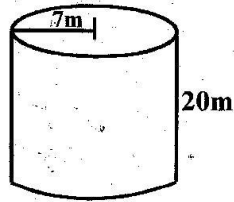
A. 40°

B. 38°

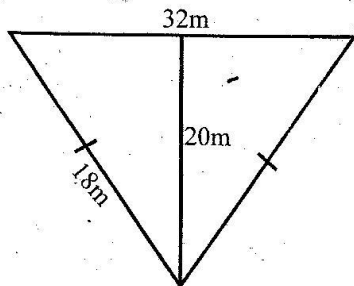
C. 32°

D. 60°

41. Find the surface area of the cylinder below when closed. (Take $\pi = \frac{22}{7}$)

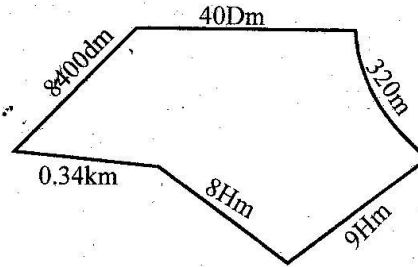


- A. 1188m^2 B. 308m^2
 C. 880m^2 D. 154m^2
42. A factory packed 0.48 tonnes of sugar in 500g packets. How many packets were obtained?
 A. 96000 B. 9600
 C. 960 D. 96
43. If $x = 3$, $y = 4$ and $z = 5$. What is the value of $\frac{2xy + xy^2}{y + z - x}$?
 A. 72 B. 28
 C. 12 D. 192
44. The diameter of a wheel is 28cm. What distance does the wheel cover in kilometres if it makes 1000 revolutions?
 A. 8.8km B. 88000km
 C. 0.88km D. 0.088km
45. Find the area of the triangle below in Ares.



- A. 320 Ares B. 640 Ares
 C. 0.32 Ares D. 3.2 Ares
46. In a wedding party there were 420 more children than women, who were 131 more than men. If the men were 600 how many children attended the party?
 A. 2482 B. 982
 C. 1751 D. 1151

47. Johnmark is three times as old as the sister, the difference in their ages is 18 years. How old is John mark?
 A. 36 years B. 27 years
 C. 9 years D. 24 years
48. Find the distance round the figure shown in metres.

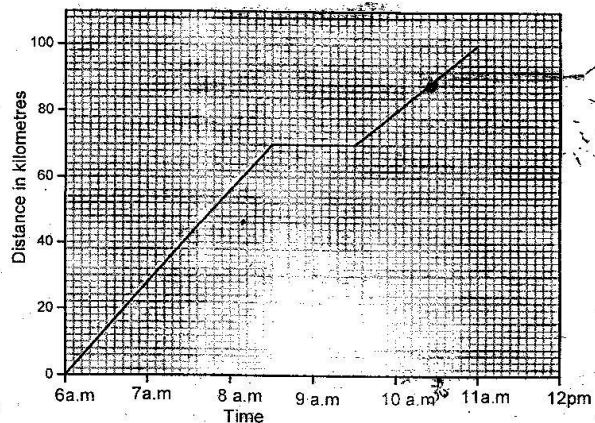


- A. 3600m B. 6300m
 C. 4260m D. 3280m
49. Wanjala scored the following marks in the examination

Maths	English	Kisw	Scie	SST
74	72	72	58	64

- What was his mean mark in the five subjects?
 A. 340 B. 68
 C. 72 D. 66

The graph below shows Mwanzile's journey from Nairobi to Embu a distance of 100km.



50. What distance had Mwanzile covered at 10.30 a.m.?
 A. 85km B. 90km
 C. 80km D. 95km