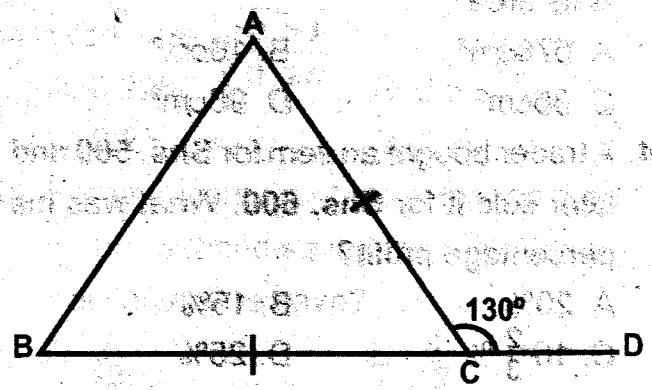


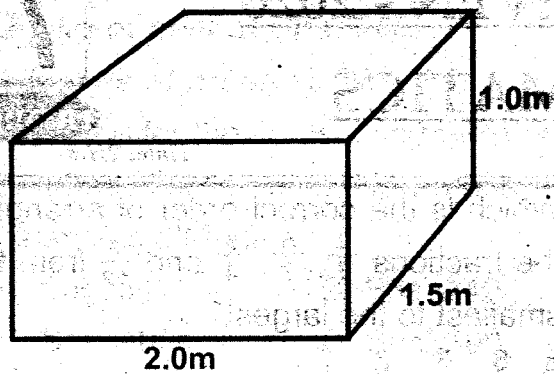
- What is **13013130** written in words?
 - Thirteen million one hundred and thirteen thousand one hundred and thirty.
 - Thirteen million thirteen thousand and thirteen.
 - Thirteen million one hundred and three thousand one hundred and thirty.
 - Thirteen million thirteen thousand one hundred and thirty.
- How many hundreds are there in the total value of digit **6** in the number **476392**?
 - 60
 - 6
 - 600
 - 6000
- What is the value of: **$8(5 - 9 + 6)$** ?
 - 16
 - 8
 - 4
 - 9
- What is **7.09985** rounded off to two decimal places?
 - 7.09
 - 7.10
 - 8.00
 - 7.100
- What is the place value of digit **2** in the number **632945**?
 - Hundreds
 - Thousands
 - Ten thousands
 - 2000
- What is the square of **$4\frac{1}{5}$** ?
 - $17\frac{16}{25}$
 - $16\frac{1}{25}$
 - $16\frac{16}{25}$
 - $8\frac{1}{5}$

- Which is the correct order of arranging the fractions $\frac{2}{3}$, $\frac{6}{7}$, $\frac{3}{4}$ and $\frac{7}{12}$ from the smallest to the largest?
 - $\frac{6}{7}$, $\frac{3}{4}$, $\frac{2}{3}$, $\frac{7}{12}$
 - $\frac{2}{3}$, $\frac{3}{4}$, $\frac{6}{7}$, $\frac{7}{12}$
 - $\frac{7}{12}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{6}{7}$
 - $\frac{7}{12}$, $\frac{6}{7}$, $\frac{3}{4}$, $\frac{2}{3}$
- In the figure below, line **AC = CB** and angle **ACD = 130°**.

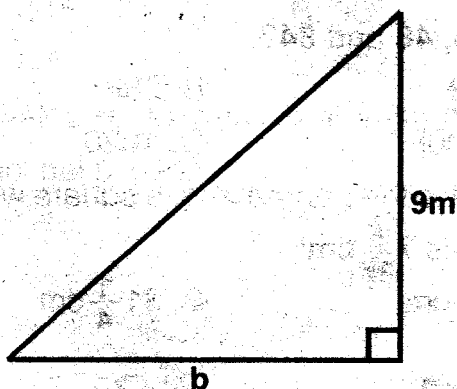


- Find angle **BAC**.
- 50°
 - 65°
 - 130°
 - 80°
- What is the sum of the LCM and the GCD of **36**, **48** and **84**?
 - 12
 - 288
 - 1008
 - 1020
 - What is the perimeter of a square whose area is **$7\frac{9}{16}$ cm²**.
 - 11cm
 - $31\frac{1}{4}$ cm
 - $30\frac{1}{4}$ cm
 - $2\frac{3}{4}$ cm

11. What is the volume of the rectangular container below in cubic centimeters?

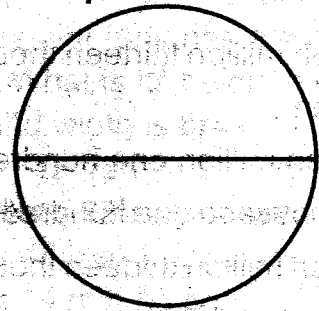


- A. 3000000cm³ B. 30000cm³
 C. 300cm³ D. 3cm³
12. A shopkeeper bought two **60kg** bags of rice. He packed it into **small packets of $\frac{1}{4}$ kg**. How many packets did he obtain altogether?
- A. 240 B. 15
 C. 30 D. 480
13. A square has a **perimeter of 24cm**. What is its area?
- A. 576cm² B. 16cm²
 C. 36cm² D. 96cm²
14. A trader bought an item for **Shs. 500** and later sold it for **Shs. 600**. What was his percentage profit?
- A. 20% B. 15%
 C. $16\frac{2}{3}\%$ D. 25%
15. How many **m³** are in **4500cm³**?
- A. 450000 B. 0.0045
 C. 45 D. 0.45
16. The area of the triangle below is **54m²**.



- Find the measure of the line marked **b**.
- A. 24cm B. 15cm
 C. 6cm D. 12cm

17. A vehicle covered **200m** in **5 seconds**. What was its speed in **km/h**?
- A. 144km/h B. 40km/h
 C. 80km/h D. 14.4km/h
18. The circumference of the circle below is **44cm**. ($\pi = \frac{22}{7}$).



- What is its radius?
- A. 7cm B. 56cm
 C. 14cm D. 21cm
19. What is the next number in the pattern below? **11, 13, 16, 21, 28, _____**
- A. 37 B. 38
 C. 39 D. 41
20. A meeting started at **8:30am** and took **4hrs 45 min**. At what time did the meeting end?
- A. 12:15pm B. 1:15pm
 C. 1:45pm D. 2:15pm
21. Find the value of: **$q + t + 2n + 1$**
 $5t$
 where **$q = 3$, $t = 2$ and $n = 7$** .
- A. 2 B. 10
 C. 20 D. $2\frac{1}{2}$
22. In a meeting there are **68** more men than women. The children are **25** less than all the adults. There are **125** women in the meeting. How many people attended the meeting?
- A. 636 B. 669
 C. 586 D. 611

23. What is the value of m in the equation?

$$3(2m - 4) = 0$$

- A. 2 B. 3
C. 4 D. 12

24. What is the value of:

$$\frac{2.4 \times 4.5}{0.9 \times 0.12}$$

- A. 1 B. 10
C. 100 D. 1000

25. A family used 500ml packet of milk each day. How many litres of milk did the family use in the months of January and February in the year 2012?

- A. 30,000L B. 30L
C. 29500L D. 29.5L

26. A shopkeeper had money in form of notes as shown in the table below.

No of notes	5	7	3	8	15
Value of notes in Shs.	1000	500	200	100	50

How much money did have altogether?

- A. Shs. 16500 B. Shs. 10750
C. Shs. 10650 D. Shs. 10550

27. The fare from town A to town B increased to Shs. 150 from Shs. 120. What was the percentage increase?

- A. 25% B. 15%
C. 30% D. 20%

28. Convert 0.87 into percentage.

- A. 0.87% B. 8.7%
C. 0.0087% D. 87%

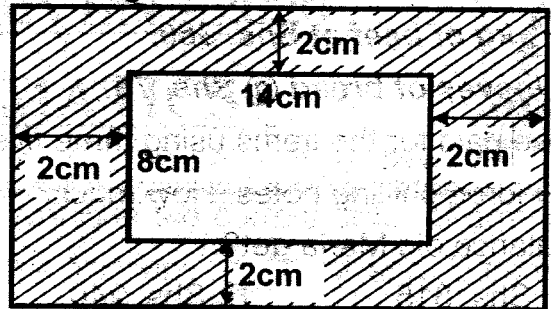
29. Which of the following numbers is divisible by 11?

- A. 7068 B. 1274
C. 6259 D. 1440

30. A lorry carries 87 bags of wheat in one trip. How many bags of wheat does the lorry carry in 24 trips?

- A. 2080 B. 2088
C. 87 D. 108

31. Calculate the area of the shaded part in the figure below.



- A. 104cm² B. 112cm²
C. 160cm² D. 216cm²

32. Work out: $15\frac{2}{5} \times 2\frac{1}{7} =$

- A. 17 B. $30\frac{2}{35}$

- C. 33 D. $17\frac{19}{35}$

33. What is the sum of the number of faces, edges and vertices of a closed cuboid?

- A. 25 B. 26
C. 12 D. 14

34. Work out: $\sqrt{\frac{0.81}{0.16}}$

- A. 0.225 B. 2.5
C. 0.25 D. 2.25

35. Kamau spent $\frac{1}{3}$ of his salary on food $\frac{1}{4}$ on rent and saved the rest. What fraction did he save?

- A. $\frac{7}{12}$ B. $\frac{5}{12}$

- C. $\frac{3}{4}$ D. $\frac{2}{7}$

36. Find the product of the complement of 87° and supplement of 110°.

- A. 73° B. 67°
C. 210° D. 197°

37. Find the sum of all the prime numbers between 90 and 100.

- A. 97 B. 188
C. 330 D. 192

38. Work out: $360 \times 440 \div 22$ of 100

- A. 720 B. 72000
C. 7200 D. 72

39. Maria bought the following items:
- 1- 2kg packets of flour for Shs. 150.
 - 2 $\frac{1}{2}$ kg of beef at Shs. 360.
 - 2 loaves of bread @ Shs. 75.

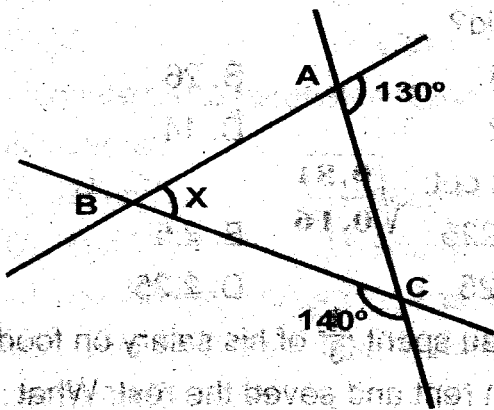
She paid for the items using three five hundred shilling notes. How much balance did Maria get?

- A. Shs. 315 B. Shs. 240
C. Shs. 465 D. Shs. 390

40. A child slept at 9:15p.m and woke up at 5:25am. How long did the child sleep?

- A. 8 hrs 10 min B. 3 hrs 50 min
C. 3 hrs 10 min D. 9 hrs 10 min

41. The diagram below shows three lines intersecting to form triangle ABC.



What is the measure of the angle marked x?

- A. 50° B. 40°
C. 90° D. 60°

42. Draw triangle ABC where line AB = BC = 16cm angle ABC = 60°. What is the measure of angle ACB?

- A. 120° B. 90°
C. 40° D. 60°

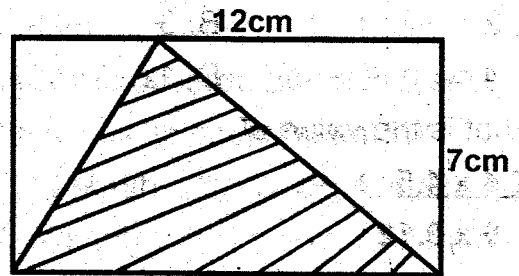
43. What is $\frac{8}{9}$ as a decimal correct to two decimal places?

- A. 0.88 B. 0.09
C. 0.89 D. 0.98

44. Work out: $983552 \div 845 =$

- A. 1163 rem 807 B. 1063 rem 817
C. 1162 rem 817 D. 1163 rem 817

45. What is the area of the shaded part in the figure below.



- A. 84cm² B. 42cm²
C. 21cm² D. 28cm²

46. A rectangular tank has a volume of 108m³. What is its height if the length is 9m and width is 8m?

- A. 15m B. 12m C. 72m D. 1.5m

47. Divide 8hrs 23min 45 sec by 3.

- A. 2 hrs 47 min 15 sec
B. 2 hrs 14 min 55 sec
C. 2 hrs 47 min 55 sec
D. 2 hrs 34 min 55 sec

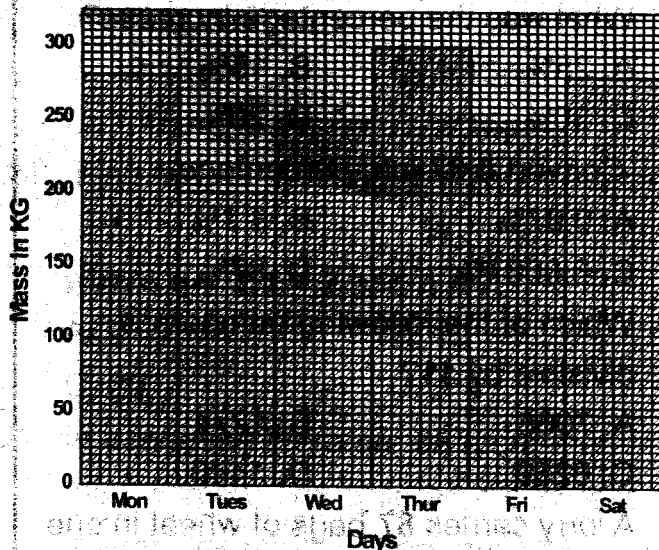
48. The diameter of a bicycle wheel is 56cm. Find the distance it will cover in ten turns. ($\pi = \frac{22}{7}$)

- A. 176m B. 0.176m
C. 17.6m D. 1.76m

49. How many Ares are in 470m²?

- A. 4.7 B. 47 C. 47000 D. 0.047

50. The graph below shows the amount of sugar sold in a shop for one week.



What is the difference between the highest and the lowest number of kilograms sold that week?

- A. 300kg B. 200kg
C. 100kg D. 50kg