

STD 6 - YEAR 2016

MATHEMATICS

1. Subtract three million from seven million, two hundred thousand and write your answer in symbols

- A. 10,200,000 B. 4,200,000
C. 4,000,200 D. 10,000,200

2. What is the place value of digit 2 in the figure 1437267

- A. Hundreds B. Thousands
C. Hundredths D. Ten thousands

3. Round off 30768 to the nearest thousands

- A. 30100 B. 30000
C. 41000 D. 31000

4. Work out 372×41

- A. 14252 B. 13152
C. 12152 D. 15252

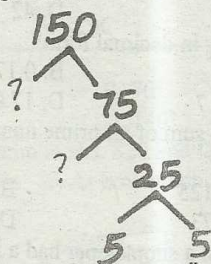
5. What is the HCF of 18, 36, 48

- A. 48 B. 144
C. 6 D. 12

6. Which one is true?

- A. $6+4 > 7-1$ B. $6+4 < 7+1$
C. $6-4 > 7+1$ D. $6+4 < 7-1$

7. Find the missing number



- A. 2,3 B. 7,2
C. 3,2 D. 5,3

8. Simplify $\frac{1}{2}$ of $24 \div \frac{1}{3}(6+3)$

- A. 36 B. 72
C. 4 D. 12

9. Find the value of $\frac{4.2 \times 0.1}{0.06}$

- A. 7 B. 0.7
C. 1.7 D. 0.07

10. What is the L.C.M of 12, 48 and 96?

- A. 48 B. 192
C. 12 D. 96

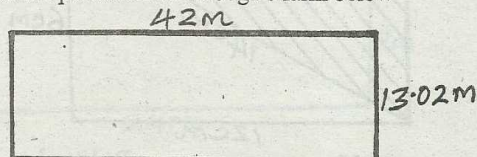
11. In the 2009, the number of HIV patients was 200510 in Muhadhara town, the following year the number decreased to 190500. Find the difference.

- A. 10001 B. 10,010
C. 11001 D. 10100

12. In a standard four class of 42, pupils took 2 dl of milk each, how many litres did the whole class take?

- A. 84L B. 8.04L
C. 8.4L D. 0.84L

13. Find the perimeter of Kaboga's farm below



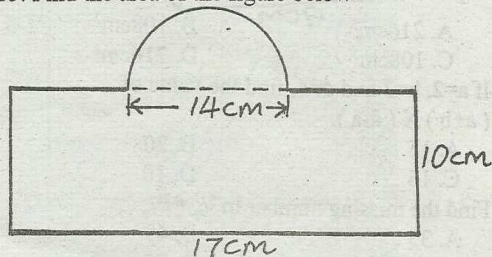
- A. 110.0m² B. 111.14m
C. 101.04m² D. 110.04m

14. Write the next number in the pattern

$\frac{49}{100}, \frac{36}{81}, \frac{25}{64}, \frac{16}{49}$

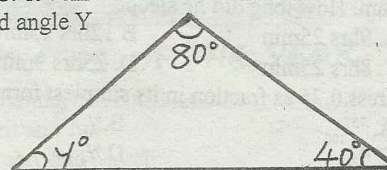
- A. $\frac{8}{29}$ B. $\frac{9}{64}$
C. $\frac{9}{36}$ D. $\frac{7}{49}$

15. Find the area of the figure below



- A. 247cm² B. 344cm²
C. 197cm² D. 214cm²

16. Find angle Y



- A. 60° B. 120°
C. 40° D. 80°

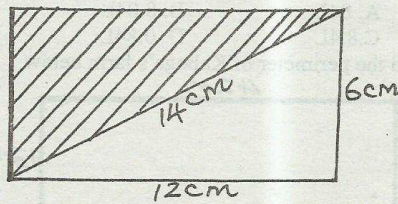
17. Write $7\frac{4}{5}$ as improper fraction.

- A. $\frac{7^5}{4}$ B. $\frac{39}{5}$
C. $\frac{5}{39}$ D. $\frac{4}{33}$

18. Solve $7 \overline{) 15m \ 40cm}$

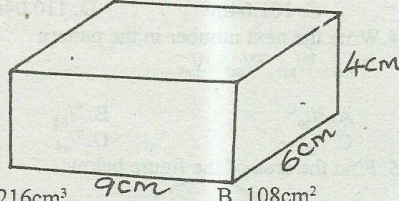
- A. 2m 21cm B. 2m 20m
C. 2m 5cm D. 2m 20cm

19. Four men received Shs. 568 for doing a piece of work. How much money did each get?
 A. 2272 B. 142
 C. 14.20 D. 227.2
20. Father had $\frac{2}{3}$ of sugarcane. He gave his daughter $\frac{1}{6}$ of sugarcane. What length remained?
 A. $\frac{1}{2}$ B. $\frac{3}{9}$
 C. $\frac{5}{6}$ D. $\frac{5}{12}$
21. Find the area of the unshaded part



- A. 36cm B. 18cm²
 C. 36cm² D. 72cm²

22. Calculate the volume.

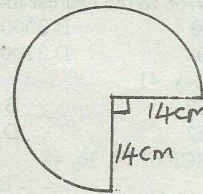


- A. 216cm³ B. 108cm²
 C. 108cm³ D. 216cm²

23. If $a=2$, $b=3$ and $d=4$, find the value of $(a+b) \times (d-a)$
 A. 15 B. 20
 C. 16 D. 10
24. Find the missing number in $\frac{3}{7} = \frac{21}{?}$
 A. 35 B. 49
 C. 14 D. 28
25. Nyakara slept from 9.00pm and woke up at 6.25am. How long did he sleep?
 A. 9hrs 25min B. 12hrs 25min
 C. 8hrs 25min D. 25hrs 9min
26. Express 0.75 as fraction in its simplest form.
 A. $\frac{75}{100}$ B. $\frac{3}{4}$
 C. $\frac{15}{20}$ D. $\frac{6}{8}$
27. Duro's car uses 10Litres of petrol in a day. How many litres will it use in the month of February 2012?
 A. 310L B. 300L
 C. 280L D. 290L

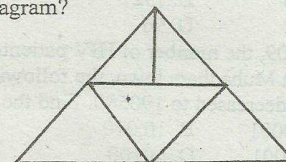
28. Arrange the fractions in an ascending order.
 $\frac{9}{10}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{4}$
- A. $\frac{1}{4}, \frac{2}{3}, \frac{1}{2}, \frac{9}{10}$ B. $\frac{1}{4}, \frac{1}{2}, \frac{2}{3}, \frac{9}{10}$
 C. $\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{9}{10}$ D. $\frac{9}{10}, \frac{2}{3}, \frac{1}{2}, \frac{1}{4}$

29. What is the product of the next two numbers in 32,28,24,20,_____
 A. 16, 12 B. 28
 C. 192 D. 4
30. Three bells rang at intervals. Bell A after 6mins. B after 8min and C after 12 min. After how long did they ring together?
 A. 12mins B. 36mins
 C. 24mins D. 40mins
31. Which one is not a property of a rectangle?
 A. All angles are right angle.
 B. Opposite sides are equal.
 C. Opposite sides are parallel.
 D. Diagonals bisect at right angle
32. What is the perimeter



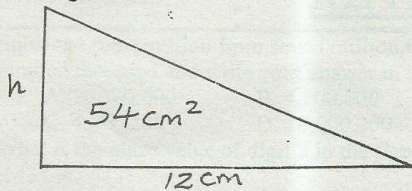
- A. 88cm B. 66cm
 C. 94cm D. 72cm

33. What is the sum of L.C.M of 8 and 12 and the G.C.D of 36 and 54?
 A. 6 B. 24
 C. 18 D. 42
34. What is $\frac{7}{100}$ in decimal form?
 A. 1.7 B. 0.17
 C. 0.017 D. 17.0
35. What is the sum of all prime numbers between 20 and 30?
 A. 125 B. 52
 C. 73 D. 100
36. Mama Opusi a shopkeeper had a bag of sugar weighing 50kg, She packed it into $\frac{1}{4}$ kg. How many packets did she have?
 A. 200 B. 20
 C. 2000 D. 20,000
37. Ogweno had three two hundred shillings notes, five five hundred shillings notes. How many did he have in total?
 A. 700 B. 1100
 C. 3100 D. 2800
38. How many triangles can you count from below diagram?

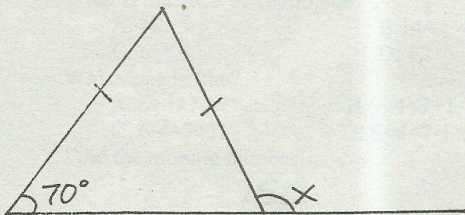


- A. 6 B. 7
 C. 8 D. 5

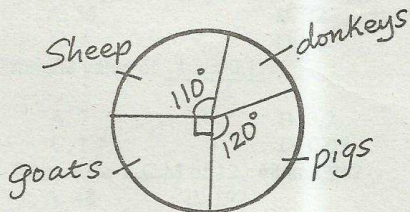
39. Calculate the speed of a goat which covered 30km in 4hours?
 A. 9km/hr B. 9m/s
 C. 18km/hr D. 4km/hr
40. The area of the triangle below is 54cm^2 . Find its height.



- A. 6cm B. 16m
 C. 12cm D. 9cm
41. Work out and give your answer correct to 2 decimal places.
 $4.25 + 27.205 + 84.354?$
 A. 115.81 B. 112.08
 C. 115.809 D. 114.81
42. Calculate the measure of angle x

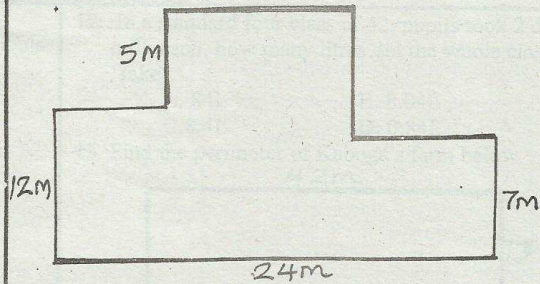


- A. 40° B. 70°
 C. 110° D. 140°
43. Abur purchased a radio at shs. 820 and later sold it making a loss of shs. 70. At how much did she sell it?
 A. 890 B. 750
 C. 720 D. 870
44. The circle graph below shows the number of animals Mr. Oketch had in his farm.



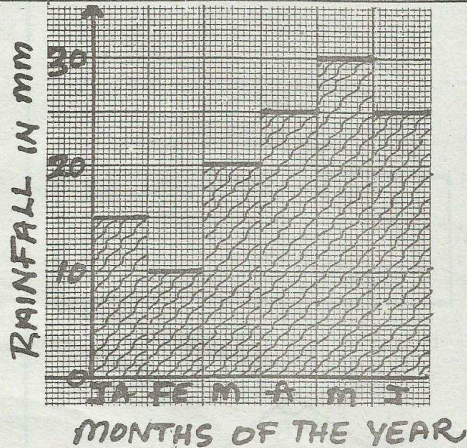
- How many donkeys did he have if he had 36 animals altogether?
 A. 11 B. 12
 C. 9 D. 4

45. What is the value of $2(4a+2) - 3(a+1)$
 A. $5a+1$ B. $8a+7$
 C. $5a-1$ D. $8a-7$
46. Calculate the perimeter of the figure below.



- A. 72m B. 89m
 C. 82m D. 77m
47. Solve $\frac{1}{4}w + 11 = 13$
 A. 96 B. 8
 C. 16 D. 4

Use the graph below to answer questions 48-50



48. Which months had equal amount of rainfall?
 A. April and June
 B. January and March
 C. February and May
 D. March and April
49. What is the difference between the highest rainfall and lowest rainfall experienced?
 A. 25 B. 40
 C. 20 D. 50
50. What was the total amount of rainfall experienced during the time?
 A. 125mm B. 100mm
 C. 95mm D. 75mm