

STD 6 END TERM 2 EXAM 2019

MATHEMATICS

TIME: 2HOURS

1. What is the place value of digit 3 in 203978?

A. Tens	B. Hundreds
C. Thousands	D. tens of thousand
2. Eight million thirty six thousand nine hundred and fourteen.

A. 9036914	B. 8036914
C. 8306914	D. 8036941
3. Round off 7208 to the nearest tens.

A. 7209	B. 7210
C. 7300	D. 7220
4. A square garden has its sides measuring 10m. What is the area of the garden?

A. 100m ²	B. 200m ²
C. 300m ²	D. 150m ²
5. What is the GCD of 6, 12 and 24?

A. 5	B. 6
C. 7	D. 10
6. Which of the following numbers is divisible by 8?

A. 3321	B. 25788
C. 31365	D. 258960
7. Work out ; - $3\frac{3}{4} + 6\frac{1}{2}$

A. $6\frac{2}{4}$	B. $7\frac{1}{4}$
C. $8\frac{3}{4}$	D. $9\frac{3}{4}$
8. Multiply $4\frac{1}{2}$ by $3\frac{1}{3}$.

A. 10	B. 15	C. 5	D. 6
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9. What is $\sqrt{\frac{16}{25}}$?

A. $\frac{1}{5}$	B. $\frac{2}{7}$
C. $\frac{1}{7}$	D. $\frac{4}{5}$

10. Work out;-

$$25.3 + 3.6 + 0.003$$

A. 28.903	B. 29.13
C. 30.90	D. 16.17
11. Write 2.25 as a fraction in its simplest form.

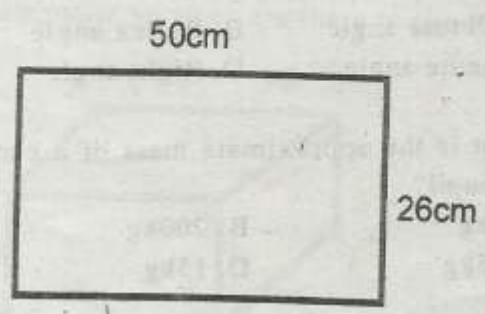
A. $2\frac{1}{4}$	B. $2\frac{1}{3}$
C. $3\frac{1}{4}$	D. $3\frac{1}{2}$

12. Work out;-

$$4.89 \times 6$$

A. 29.34	B. 30.1
C. 60.2	D. 41.3

13. Find the perimeter of the figure below.

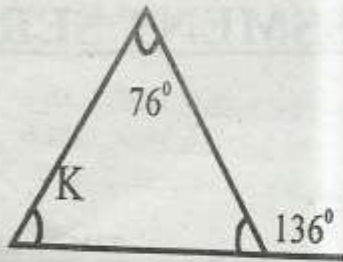


- | | |
|-----------------------|----------|
| A. 152cm ² | B. 152cm |
| C. 160cm | D. 180cm |
14. Express $\frac{9}{20}$ as a percentage.

A. 45%	B. 60%
C. 50%	D. 50%
 15. $4(\frac{3}{4}k - w) + \frac{1}{2}(k + 8w)$

A. $4\frac{1}{4}k$	B. $3\frac{1}{2}k$
C. $3\frac{1}{3}k$	D. $3\frac{1}{5}k$

16. Calculate the size of angle K below.

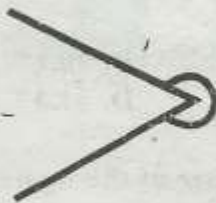


- A. 50° B. 60°
 C. 70° D. 40°

17. John had 60kg of sugar. He used $\frac{2}{3}$ of it. How many kilograms did he remain with?

- A. 20kg B. 10kg
 C. 15kg D. 30kg

18. Name the type of the angle below.



- A. Obtuse angle B. Reflex angle
 C. Acute angle D. Right angle

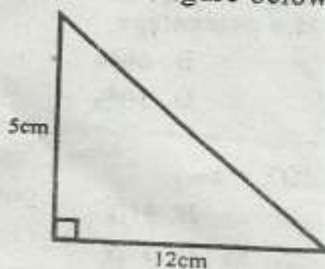
19. What is the approximate mass of a class six pupil?

- A. 2kg B. 200kg
 C. 35kg D. 15kg

20. What is 20% of Sh 1000?

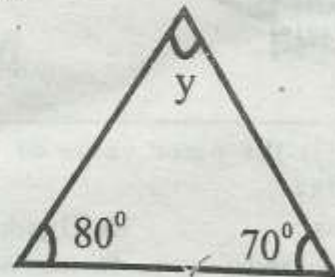
- A. Sh 200 B. Sh 100
 C. Sh 150 D. Sh 190

21. Find the area of figure below.



- A. 40cm^2 B. 30cm^2
 C. 50cm^2 D. 25cm^2

22. What is the size of angle y in the figure below?



- A. 30° B. 40°
 C. 60° D. 20°

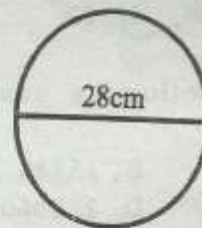
23. Find the volume of the cube of side 6cm.

- A. 276cm^3 B. 216cm^3
 C. 176cm^3 D. 176cm^3

24. What do we call those numbers 5, 7, 11 and 13?

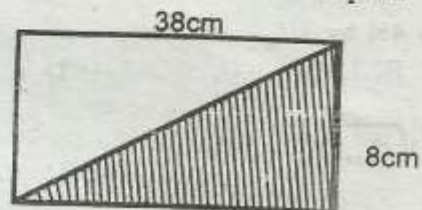
- A. Even numbers
 B. Odd numbers
 C. Prime numbers
 D. Odd and even numbers

25. Find the circumference of the circle.



- A. 66cm B. 76cm
 C. 91cm D. 88cm

26. Find the area of the shaded part.



- A. 200cm^2 B. 48cm^2
 C. 152cm^2 D. 148cm^2

27. The area of a square room is 121m^2 . What is the perimeter?

- A. 44cm B. 54cm
 C. 60cm D. 60cm

28. Solve the equation;

$$2x + 10 = 30$$

- A. 10 B. 15
 C. 5 D. 16

29. What is $(\frac{4}{5})^2$?

- A. $\frac{16}{25}$ B. $\frac{16}{30}$
 C. $\frac{25}{16}$ D. $\frac{17}{30}$

30. Find the sum of the next two numbers.

100, 81, 64, _____, _____

- A. 49 B. 59
 C. 39 D. 85

31. Round off 652 to the nearest 1000 thousand.

- A. 1000
 B. 100
 C. 700
 D. 800

32. What is the square of 14?

- A. 7 B. 2
 C. 169 D. 196

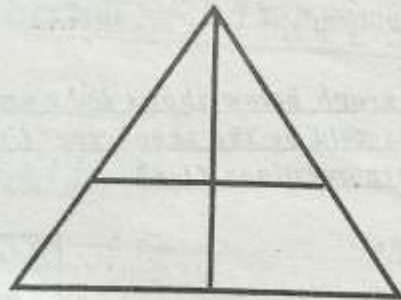
33. The area of a triangular plot is 500m^2 . If the base 100m, what is the height?

- A. 50m B. 5m
 C. 10m D. 20m

34. Kemboi started the journey to Eldoret at 8.45am. He reached Eldoret at 1.20pm. How many hours did he take?

- A. 4hrs
 B. 4hrs 15min
 C. 3hrs 20 mins
 D. 4hrs 35min

35. How many triangles are there in the figure below?



- A. 5 B. 6
 C. 3 D. 4

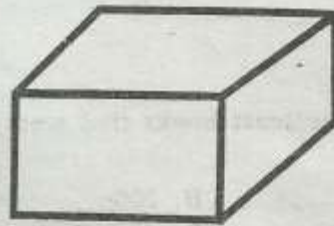
36. Simplify;- $6(5y - w + 5)$

- A. $24w + 30$
 B. $30w - 6y + 30$
 C. $30y - 6w + 30$
 D. $15y - 3w + 20$

37. Multiply; $6\frac{1}{5} \times 2\frac{1}{3}$

- A. $14\frac{7}{15}$ B. $15\frac{5}{13}$
 C. $14\frac{5}{14}$ D. $4\frac{7}{15}$

38. How many vertices are there in the figure below?



- A. 10 B. 8
 C. 12 D. 6

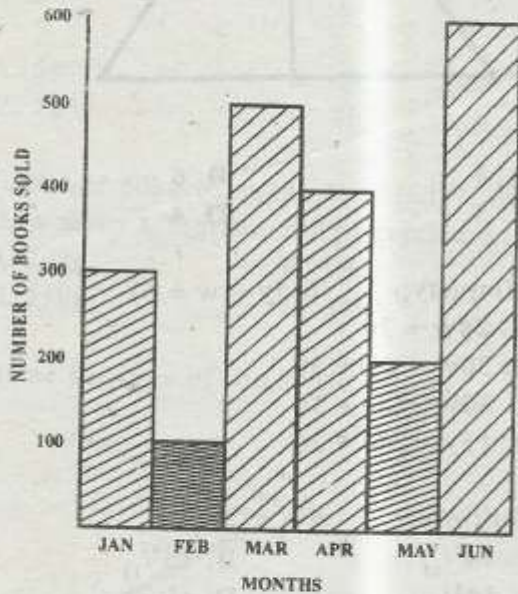
39. Work out;-

Litres	dl
3	5
x	3

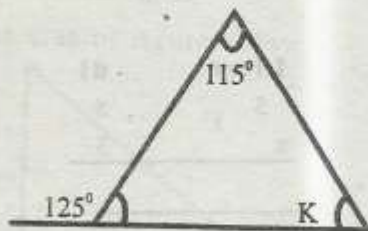
- A. 9L 15dl B. 10L 5dl
 C. 9L 5dl D. 11L 15dl

40. Convert 0.03m^3 into cm^3 .
- A. 0.3cm^3 B. 30000cm^3
 C. 3000cm^3 D. 300cm^3

The graph below shows the number of books sold by the shopkeeper. Use it to answer questions 41-42



41. Which month was the sale highest?
- A. January
 B. June
 C. April
 D. February
42. What was the least books that were sold in a month?
- A. 200 B. 100
 C. 300 D. 400
43. Calculate the size of angle marked K.



- A. 20° B. 10°
 C. 10° D. 30°

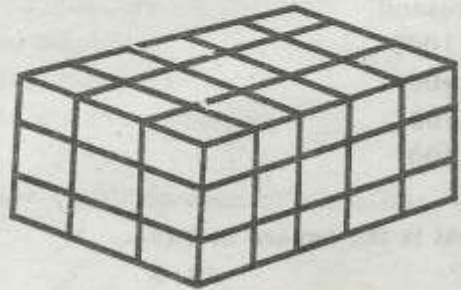
44. The radio was bought at Sh 2500 and later sold at Sh 3000. What was the profit?
- A. Sh 500 B. Sh 300
 C. Sh 800 D. Sh 1000

45. Divide:-
 $1962 \div 18$
- A. 120 B. 109
 C. 190 D. 19

46. A plot measuring 100m by 50m. What is the area in hectares?
- A. 0.5ha B. 0.1ha
 C. 50ha D. 5ha

47. Find the reciprocal of 0.15.
- A. $6\frac{2}{3}$ B. $7\frac{2}{3}$
 C. 1.5 D. 15

48. How many cubes are there?



- A. 45 B. 10
 C. 12 D. 35

49. What is the sum of the first 14 odd numbers?
- A. 200 B. 199
 C. 196 D. 49

50. Draw triangle ABC in which $AB = 6\text{cm}$, $BC = 8\text{cm}$ and angle $ABC = 90^\circ$. What is the measure of line AC?
- A. 5cm B. 10cm
 C. 6cm D. 11cm