STD 6 MID TERM 3 EXAM 2019
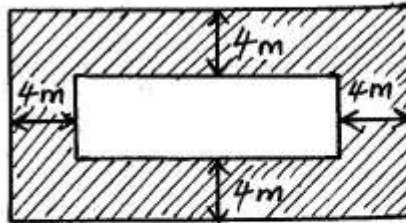
MATHEMATICS

(i) *Your name*   (ii) *Name of your school*

1. What is **10,579,011**? Written in word.
   A. One million, five hundred and seventy nine thousand and eleven
   B. One hundred and five million and eleven
   C. Ten million and five, seventy nine thousand and eleven
   D. Ten million, five hundred and seventy nine thousand and eleven

2. What is the total value of digit **8** in **938400**?
   A. Thousands
   B. Eighty four thousands
   C. Eight thousand
   D. Eight hundred

3. What is the place value of digit **2** in the following **50269447**?
   A. Thousands
   B. Ten thousands
   C. Hundred
   D. Hundred thousands

4. Which of the following numbers is divided by **7**?
   A. 41,286
   B. 4,567,128
   C. 59,386
   D. 3024

5. What is the difference between the next two numbers in the pattern below?
   2, 3, 5, 7, 11, _____
   A. 4   B. 30
   C. 2   D. 28

6. **Simplify:-**
   $4(3x + 3y) + 2(4x + 3y) =$ _____
   A. 12x + 12y + 8x + 6y
   B. x + 0y
   C. 13x + 6y
   D. 20x + 18y

7. Find the area of the shaded region.


   A. 736m²   B. 2400m²
   C. 1664m²   D. 4064m²

8. Find the missing number;
   100,000, 300,000, 500,000
   A. 400,000
   B. 600,000
   C. 700,000
   D. 900,000

9. What is the G.C.D of **15, 18, 24**.
   A. 3   B. 180
   C. 57   D. 72

10. $8 \frac{1}{3} + 5 \frac{1}{4} - 3 \frac{11}{15} =$ _____
    A. $10 \frac{53}{60}$ B. $9 \frac{51}{60}$
    C. 10   D. $10 \frac{1}{2}$

11. Find the value of **X** in the equation.
    $\frac{1}{3}x - 7 = 40$
    A. 33   B. 141
    C. 47   D. 15

12. Use either <, > or = to complete the following
    $4 \frac{5}{6} - 2 \frac{3}{8}$ _____ $48 \div 24$
    A. <   B. >
    C. =   D. -

13. Find the value of angle marked A in the figure below.

A. 113⁰ B. 157°
C. 68⁰ D. 67⁰
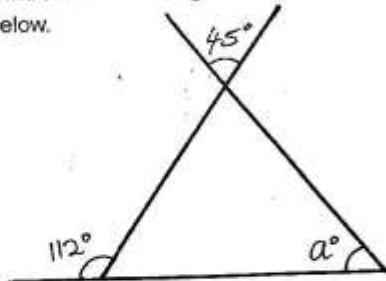
14. Find the area of the unshaded region.
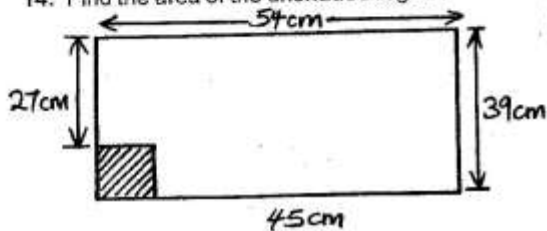
A. 1998cm² B. 2106cm²
C. 108cm² D. 2214cm²

15. Muli spends Sh. 1800 of his salary per month on food. If this is ³/₈ of his salary, what is this salary per month?
A. 4800 B. 1800
C. 5400 D. 5000

16. In 1969 the population of Kenya was 11,789,446. The population rise to 31,479,325 in 1999. What was the increase in population between 1969 and 1999?
A. 479,325,31 B. 1999 and 1969
C. 19,689,879 D. 43,268,771

17. Work out:-

Hrs	Mins
50	50
+ 15	29

A. 65hrs 79mins B. 66hrs 79mins
C. 65hrs 79mins D. 66hrs 19mins

18. Work out:-
0.603 ÷ 3 = _____
A. 0.201 B. 18.09

19. 20% represents 600 items in a shop. Find the amount of items represented by 80%.
A. 120 B. 2400
C. 600 D. 700

20.

Litres	DL
4	7
x	8

A. 32litres 56dl B. 37litres 6dl
C. 37litres 1dl D. 7litres 10di

21. Find the value of:-
If 2a + ab + 24c given that $a = ^1/_2$, $b = ^2/_3$, $c = ^5/_8$
2a + 9b + 24c = _____
A. 2 B. 18
C. 27 D. 29

22. If multiply eight and a third by twelve, what answer do 1 get?
A. 100 B. 288
C. $1 ^{11}/_{25}$ D. $96 ^1/_3$

23. The population of a village is represented by the pie chart below. If there were 300 girls, how many boys were there in the village?
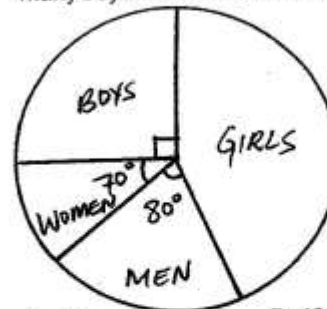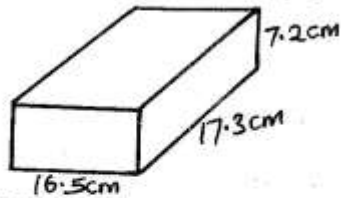

A. 90 B. 400
C. 300 D. 225

24. A lorry carry 6.3tonnes of sugar packed in 90kg. How many bags were in the lorry?
A. 7000 B. 700
C. 7 D. 70

25. A businessman bought a radio at Sh. 1,500. He then sold it making a loss of Sh. 200. What was the selling price?
A. 1,700 B. 3000

26. Find the volume of the following figure.

A. 21740.4cm³ B. 2055.24cm³
C. 2174.04cm³ D. 217.404cm³

27 Obiero scored an average of **63%** in six tests in first five tests, his scores were **67%, 58%, 72%, 53%** and **60%** respectively. What as his score in the sixth test?

A. 69% B. 68% C. 66% D. 65

28.
Tonne	Kg	g
374	813	450
- 117	932	716

A. 256tonnes 880kg 689g
B. 263tonnes 1015kg 1211g
C. 257tonnes 989kg 311g
D. 266tonnes 881kg 689g

29. Work out:-
$\sqrt{625}$
A. 20 B. 600
C. 25 D. 625

30. Grace sent the following telegram and the charges were Sh. 1200 for ten words or less, Sh. 1.50 for each additional word, Mrs.Okech box 4850, Nairobi coming tenth by bus Otieno. How much did she pay for the telegram? MRS OKECH BOX 4850 NAIROBI COMING TENTH BY BUS OTIENO.

A. Sh. 13.50 B. Sh. 15.00
C. Sh. 12.50 D. Sh. 12.00

31. Dr.Siele bought the following items gave the shopkeeper Sh. 200. How much was he given as balance?

3 ¹/₂ of flour @ Sh. 4.80
4 boxes of matches @ 45cts
2 ¹/₂ kg rice @ 5.20
2 ¹/₄ kg of meat @ 22.80

A. S h. 17.10 B. Sh. 36.00
C. Sh. 38.90 D. Sh. 14.25

32. Find out the sum of **510678** and **278.521** and round off your answer to the nearest ten thousand.

A. 680,000 B. 279,500
C. 690,000 D. 791,000

33. In a scale drawing 1cm represents 20m. What actual length is represented by 8cm on the map?

A. 160m B. 2 ¹/₂ m
C. 120m D. 28m

34. The diagram below shows a wheel. What distance does it cover when it makes 100 turns *(answer in metres)*
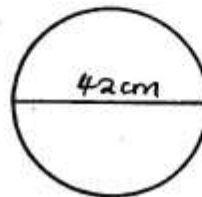
A. 1320m B. 132m
C. 42m D. 13200m

35. In a party of 1000 people each person drank a bottle of soda containing 500ml. How many litres of soda did they take altogether? *(answer in litres)*

A. 500L B. 50L
C. 500,000L D. 5000L

36. The area of a square plot is 784m². Find the perimeter of the plot.

A. 112m B. 224cm²
C. 28m D. 112m²

37. Convert **35%** into decimal.

A. 0.35 B. 35
C. 3.5 D. 0.035

38. Find the least common multiple (**L.C.M**) of;
6, 9, 15

A. 60 B. 30
C. 120 D. 90

39. Ogwande bought a pair of trouser at Sh. 50 and sold it at Sh. 90. What was his percentage profit?

A. 40% B. 140%
C. 90% D. 80%

40. Okwanyo gave a quarter of his money to his father and a third to his mother. What fraction did he remain with?
   A. $\frac{3}{4}$
   B. $\frac{7}{12}$
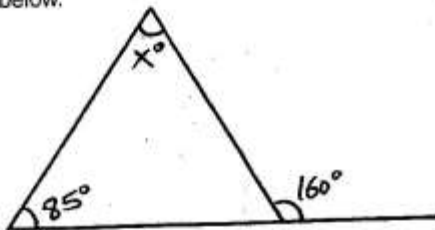   C. $\frac{5}{12}$
   D. $\frac{2}{3}$

41. How many hectares are in 7250m²?
   A. 0.72h
   B. 0.7250h
   C. 0.0725h
   D. 0.75025h

42. Veronica is 57kg, her sister Jane is 10kg heavier than her and her brother Henry is 4kg heavier than Jane. What is the weight of Henry in kg?
   A. 124kg
   B. 71kg
   C. 67kg
   D. 47kg
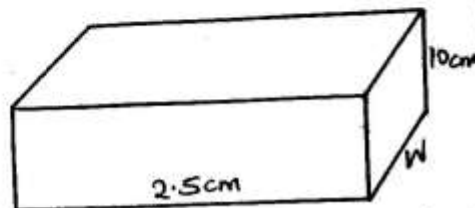
43. Calculate the angle marked X in the figure below.

   A. 75⁰
   B. 67⁰
   C. 53⁰
   D. 157⁰

44. Ramadhan drove from Busia to Kisii, he started the journey at 5:45am and arrived at 2:17pm. How long did the journey take?
   A. 8hrs 28mins
   B. 7hrs 28mins
   C. 3hrs 28mins
   D. 7hrs 62mins

45. Find the width of the rectangular block below whose volume is 50cm³.

   A. 0.5cm
   B. 2.5cm
   C. 29cm
   D. 2cm

46. Arrange the following fraction and decimals from the smallest to the largest.
   0.5, $\frac{3}{10}$, 0.28, $\frac{1}{4}$

   A. 0.28, $\frac{1}{4}$, $\frac{3}{10}$, 0.5
   B. $\frac{1}{4}$, $\frac{3}{10}$, 0.28, 0.5
   C. $\frac{1}{4}$, $\frac{3}{10}$, 0.28, 0.5
   D. $\frac{1}{4}$, 0.28, $\frac{3}{10}$, 0.5

The graph below shows the number of children in each class from class 1 to 7, study it and answer the questions that follows from 47 - 49.
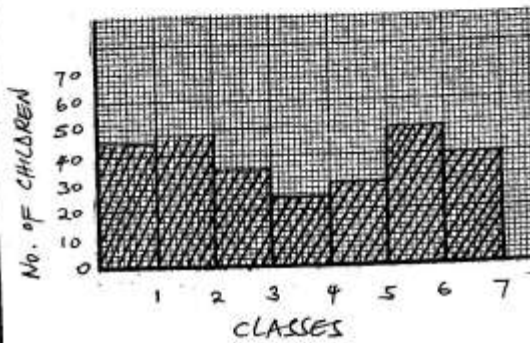
47. Which class has the highest number of pupils?
   A. 2
   B. 6
   C. 7
   D. 1

48. Which class has less than 40 pupils?
   A. 4
   B. 1
   C. 6
   D. 7

49. How many pupils are there in class 4 and 6 altogether?
   A. 50
   B. 90
   C. 75
   D. 25

50. What is the next shape in the series below?

_____

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