STANDARD 7 MID TERM 2 EXAM 2019

MATHEMATICS

1. Write three million, thirty thousand. three hundred and three in symbols?
   A. 3 003 303
   B. 3 030 033
   C. 3 300 303
   D. 3 030 303

2. What is the place value of digit 3 in the product of 48 and 29?
   A. Tens of thousands B. Thousands
   C. Hundreds   D. Tens

3. What is the value of $\frac{0.05 \times 0.48}{0.003}$?
   A. 0.08
   B. 0.8.
   C. 8
   D. 80

4. How many hundreds are there in the total value of digit 8 in the number 9 845 321?
   A. 8 000
   B. 800
   C. 80
   D. 80 000

5. Round off 158 924 to the nearest thousands.
   A. 158 000
   B. 159 000
   C. 160 000
   D. 158 900

6. What is the value of $3\frac{1}{5} - 2\frac{1}{4} \times 1\frac{1}{6} + \frac{1}{3}$ of $1\frac{1}{5}$?
   A. $\frac{5}{8}$
   B. $\frac{7}{15}$
   C. $\frac{7}{12}$
   D. $\frac{39}{40}$

7. Which of the following numbers is divisible by 11?
   A. 78 891
   B. 45 597
   C. 19 305
   D. 12 336

8. Which one of the following is the square of $2\frac{4}{5}$?
   A. $7\frac{21}{25}$
   B. $3\frac{9}{25}$
   C. $4\frac{16}{25}$
   D. $5\frac{16}{25}$

9. Which of the following numbers is divisible by 8?
   A. 4 886
   B. 5 684
   C. 3 664
   D. 6 484

10. What is the next fraction in the sequence below?
    $2\frac{1}{2}$, $2\frac{1}{3}$, $2\frac{1}{5}$, $2\frac{1}{7}$
    A. $2\frac{1}{12}$
    B. $2\frac{1}{13}$
    C. $2\frac{1}{9}$
    D. $2\frac{1}{11}$

11. What is the square root of $6\frac{1}{4}$?
    A. $2\frac{1}{2}$
    B. $1\frac{1}{2}$
    C. $3\frac{1}{2}$
    D. $39\frac{16}{25}$

12. In the diagram, line **AB** is parallel to line **CD** and line **PQ** and **MR** are transversals
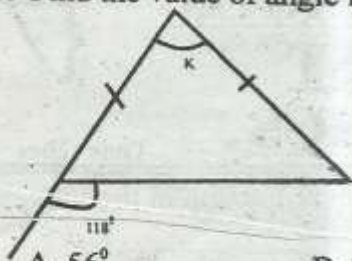

Which of the following angles are co-interior angles?
    A. b and c
    B. i and o
    C. f and m
    D. b and j

13. Below are properties of a quadrilateral
    (i) Opposite angles are equal.
    (ii) All sides are equal.
    (iii) Diagonals bisect each other at right angle.
    (iv) Diagonals are varied.
    Which of the following figures is being described?
    A. Parallelogram
    B. Rhombus
    C. Square
    D. Trapezium

14. Simplify $\frac{3}{4}(24k - 16m) + \frac{2}{3}(18k - 12m)$.
    A. 6k + 4m
    B. 30k + 20m
    C. 6k - 4m
    D. 30k - 20m

15. Find the value of angle k.

   A. 56^0 B. 62^0
   C. 65^0 D. 26^0

16. Which of the following measurements will form a right angled triangle?
   A. 0.6cm,1.2cm,1.3cm
   B. 0.6cm,0.8cm,0.1cm
   C. 1cm,2.4cm,2.6cm
   D. 0.5cm,0.6cm,0.7cm

17. Kagendo bought 35 chairs. The first 15 chairs cost sh y each. The rest of the chairs cost sh (y-5)each. If the total cost was sh 2 000,write an equation to get the cost of all chairs.
   A. 35y+100=2 000   B. 35y-100=2 000
   C. 35y-50=2 000   D. 35y+50=2 000

18. What is the smallest number that can be divided by 12,18 and 24?
   A. 6   B. 36
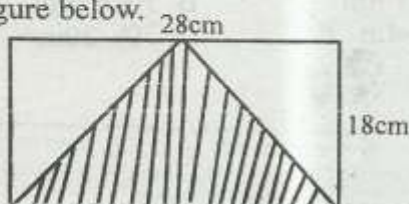   C. 144   D. 72

19. Pauline sold 630 eggs in August. If this was 70% of the eggs collected from her hens that month, how many eggs did she collect?
   A. 900   B. 1 200
   C. 1 800   D. 700

20. What is the circumference of the centre circle of a football pitch if its radius is 14m?
   A. 44m   B. 616m
   C. 88m   D. 154m

21. Find the area of the shaded region in the figure below.

22. What is the sum of the complement of 50^0 and the suppliment of angle 56^0?
   A. 106^0 B. 164^0
   C. 64^0 D. 180^0

(Answer choices at top of column: A. 504cm², B. 126cm², C. 92cm², D. 252cm²)

23. How many fifty shilling notes are there in a one thousand shilling note?
   A. 20   B. 40
   C. 50   D. 10

24. A box measures 180cm by 120cm by 40cm.What is its volume in cubic metres?
   A. 864m³   B. 86.4m³
   C. 8.64m³   D. 0.864m³

25. A milk vendor had 5-20 litre galons of milk. He repacked the milk in $1/_5$ litre packets. How many packets did he obtain?
   A. 50 000   B. 5 000
   C. 500   D.50

26. Arrange the following fractions in an ascending order.
$$\tfrac{3}{5}, \tfrac{7}{8}, \tfrac{2}{3}, \tfrac{5}{6}$$
   A. $\tfrac{7}{8}, \tfrac{5}{6}, \tfrac{2}{3}, \tfrac{3}{5}$
   B. $\tfrac{2}{3}, \tfrac{3}{5}, \tfrac{5}{6}, \tfrac{7}{8}$
   C. $\tfrac{3}{5}, \tfrac{2}{3}, \tfrac{5}{6}, \tfrac{7}{8}$
   D. $\tfrac{7}{8}, \tfrac{2}{3}, \tfrac{5}{6}, \tfrac{3}{5}$
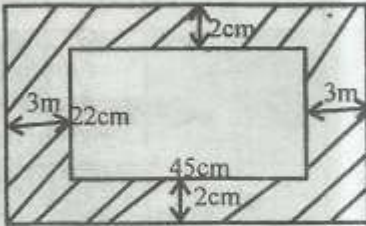
27. A motorist left Kisumu at 2135hrs and reached Eldoret at 2.25am. How long did the journey take?
   A. 19hrs 10min
   B. 4hrs 50min
   C. 5hrs 30min
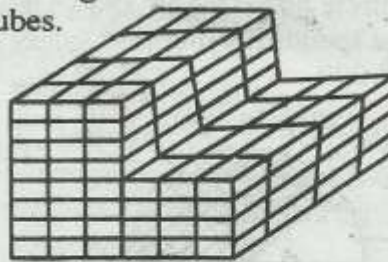   D. 3hrs 40min

28. Work out:

Litres	dl	ml
165	8	18
x		2

   A. 331*l* 6dl   36ml
   B. 331*l* 9dl   6ml
   C. 330*l* 16dl   36ml
   D. 330*l* 6dl   36ml

29. What is the product of the edges and the faces of an open cube?
   A. 40   B. 48
   C. 72   D. 60

30. Chris bought a TV decorder at sh.2 500. He later sold it for sh 3 125. What was his percentage profit?
   A. $12\frac{1}{2}$%   B. 30%
   C. 25%   D. 20%

31. Mwendwa left his home at 9.00am for a journey of 288km. If he completed the journey at 11.00am, what was his speed in m/s?
   A. 20m/s   B. 40m/s
   C. 72m/s   D. 144m/s

32. Find the area of the shaded part in the figure below.

   A. 1 326 cm²   B. 990cm²
   C. 336cm²   D. 126cm²

33. A square plot of land measures 320m. What is the area of the plot in hectares?
   A. 10.24 ha   B. 102.4 ha
   C. 1024 ha   D. 10240 ha

34. What is 35% of 1 800?
   A. 1 170   B. 6 300
   C. 63 000   D. 630

35. A path, 10.8m was drawn using the scale 1cm represents 3m. What was the drawing length on the map?
   A. 1.8cm   B. 3.6cm
   C. 36cm   D. 18cm

36. A right angled triangular piece of land has an area of 60m². Its base is 15m long. What is the length of the longest side?
   A. 18m   B. 25m
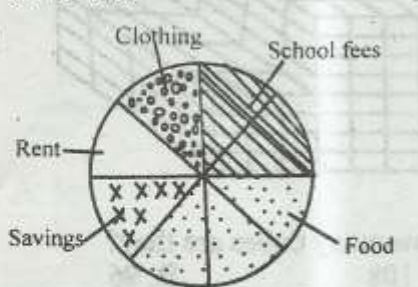   C. 17m   D. 22m

37. The diagram below shows a stack of cubes.
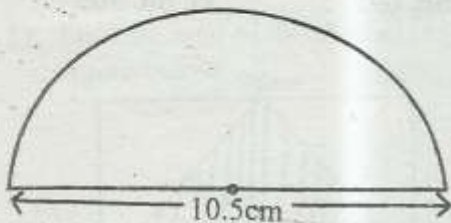

   How many cubes are they?
   A. 108   B. 96
   C. 144   D. 120

38. Express $\frac{5}{8}$ as a percentage.
   A. 72.5%   B. 58%
   C. 60%   D. 62.5%

39. Which of the following fraction has a recurring decimal?
   A. $\frac{2}{3}$ B. $\frac{5}{8}$
   C. $\frac{3}{4}$ D. $\frac{3}{5}$

40. A family uses 5dl of milk everyday. How many litres of milk would the family use altogether in the month of June, July and August?
   A. 0.46l   B. 4.6l
   C. 46l   D. 460l

41. Linda scored 75 marks, 81 marks, 92 marks and 68 marks. What was her mean score?
   A. 81   B. 78
   C. 79   D. 80

42. Eva bought the following items from a kiosk:
   2-2kg packet of maize flour @ sh.80.00
   2 bars of soap for sh.90.00
   3kg of rice @75.00
   500g of salt for sh.30.00
   How much was her bill?
   A. Sh. 495   B. Sh. 405
   C. Sh. 695   D. Sh. 505

43. The circle graph below shows how Mr. Chege spends his monthly salary of sh 48 000.

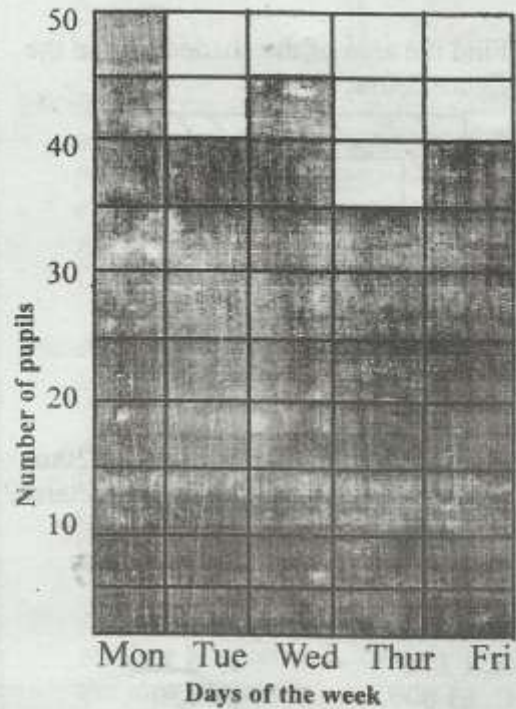How much more does he spend on food than on clothing?
A. Sh.12 000 B. Sh.18 000
C. Sh.16 000 D. Sh.24 000

44. What is the value of 5b(a+c)+2ac when a=5 , b=3 and c=2?
A. 160 B. 150
C. 125 D. 140

45. The area of a square room is 324m² .Find the perimeter of the room.
A. 60m B. 72m
C. 81m D. 96m

46. Construct triangle **ABC** such that line **AB=8cm**, **BC=5cm** and angle **ABC=100⁰**. Draw a circle that touches point **A, B** and **C**. Measure the diameter.
A. 2.6cm B. 8.4cm
C. 5.2cm D. 10.4cm

47. Naliaka is x years old. Her sister is five times as old as she is. The sum of their ages in ten years to come will be 86 years. How old is Naliaka's sister now?
A. 55 years B. 35 years
C. 45 years D. 11 years

48. Find the perimeter of the semi-circle drawn below.

A. 33.0 cm
B. 16.5 cm
C. 27.0 cm
D. 18.75 cm

49. Construct triangle PQR where PQ=5cm, QR=6.5cm and angle PQR=50⁰. Measure line **PR**.
A. 7.2 cm
B. 5.1 cm
C. 4.5 cm
D. 3.6 cm

The graph below shows class attendance of a class of 50 pupils in one week.

50. How many pupils were absent in the whole week?
A.20
B. 30
C. 35
D. 40