STD 6 END TERM 3 EXAM 2019

MATHEMATICS

1. Which of the following numbers is seven hundred and seven thousand, four hundred and fifty?
   A. 770450
   B. 707450
   C. 770405
   D. 707405

2. What is the place value of digit 5 in the number 150463?
   A. Tens of thousand
   B. Thousands
   C. 50000
   D. Hundred thousands

3. Work out: 0.72×0.23?
   A. 0.1656
   B. 1.656
   C. 16.56
   D. 165.6

4. What is 89612 rounded off to the nearest thousand?
   A. 89000
   B. 80000
   C. 90000
   D. 9000

5. Work out: $0.36 \div 0.012$
   A. 30
   B. 3
   C. 0.3
   D. 300

6. What is the measure of one side of a square paper whose area is $11\frac{14}{25}$ cm²?
   A. $\frac{17}{25}$ cm
   B. $2\frac{3}{5}$ cm
   C. $1\frac{2}{5}$ cm
   D. $3\frac{2}{5}$ cm

7. Work out: $31.28 + 1.8 + 0.17$
   A. 33.25
   B. 0.3153
   C. 3.325
   D. 31.53

8. Three bells ring at intervals of 18 minutes, 24 minutes and 36 minutes. If they rung together at 8:20 a.m., at what time will they ring together again?
   A. 72 min
   B. 108 min
   C. 9:32 a.m.
   D. 10:08 a.m.

9. Convert 0.44 into a fraction and simplify.
   A. $\frac{44}{10}$
   B. $\frac{11}{25}$
   C. $\frac{22}{5}$
   D. $\frac{44}{100}$

10. Work out: $3\frac{4}{5} + 2\frac{4}{7}$
    A. $5\frac{13}{35}$
    B. $5\frac{8}{35}$
    C. $13\frac{6}{35}$
    D. $6\frac{13}{35}$

11. Which of the following is a recurring decimal?
    A. $\frac{15}{100}$
    B. $\frac{5}{8}$
    C. $\frac{4}{20}$
    D. $\frac{3}{11}$

12. What is the compliment of $32\frac{1}{2}°$?
    A. $58\frac{1}{2}°$
    B. $57\frac{1}{2}°$
    C. $147.5°$
    D. $148\frac{1}{2}°$

13. What is the area of a square whose side measures 16 cm?
    A. 4 cm²
    B. 256 cm²
    C. 32 cm²
    D. 156 cm²

14. What is the next number in the pattern
    2, 4, 7, 12, 19, _____?
    A. 31
    B. 30
    C. 28
    D. 25
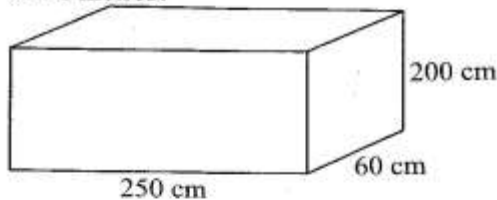
15. Work out: $85\overline{)174250}$
    A. 250
    B. 2050
    C. 25
    D. 2500

16. Work out: $3\frac{3}{5} \times 5\frac{5}{6}$?
    A. $15\frac{15}{30}$
    B. 21
    C. $15\frac{1}{2}$
    D. $15\frac{43}{30}$

17. What is the value of y in $4y + 12 = 52$?
    A. 10
    B. 40
    C. 16
    D. 12

18. The number of elephants in a game park was 15%. What was the number of elephants as a fraction in the simplest form?
    A. $\frac{15}{100}$
    B. $\frac{5}{50}$
    C. $\frac{4}{20}$
    D. $\frac{3}{20}$

19. What is the volume of the figure below in cubic metres?

    A. 3
    B. 30000
    C. 300000
    D. 3000000

20. Edward earns a salary of sh 18000. He spends 15% of it on clothing. How much money does he spend on clothing?
    A. sh 15300
    B. sh 3000
    C. sh 2700
    D. sh 15000

21. The base of a triangle whose area is 60 m² is 24 cm. What is the height of the triangle?
    A. 2.5 cm
    B. 10 cm
    C. 5 cm
    D. 12 cm

22. Spenza bought the following items from a kiosk:
    2 kg of sugar @ sh 120

    $1\frac{1}{2}$ *kg of cooking oil at sh 220 per kg*

    3 eggs for sh 36

    200g of royco mix for sh 25.50

    He paid the bill using one thousand shillings note. What was the balance?
    A. sh 631.50
    B. sh 368.50
    C. sh 521.50
    D. sh 488.50

23. How many $\frac{3}{4}$ kg packets can be obtained from 24 kg of sugar?
    A. 32
    B. 18
    C. 64
    D. 36

24. A meeting started at 11:45 a.m. and ended at 2:15 p.m. How long did the meeting take?
    A. 9 hours 30 minutes
    B. 8 hours 30 minutes
    C. 3 hours 30 minutes
    D. 2 hours 30 minutes

25. Noel spends $\frac{3}{8}$ of his salary and saves the rest. How much money does he save if his salary is sh 14000?
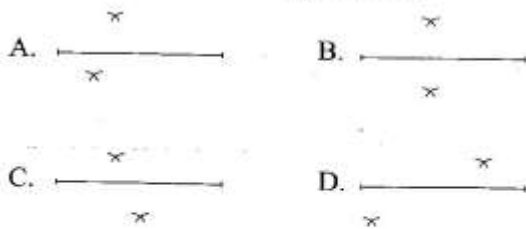   A. sh 5250
    B. sh 5650
    C. sh 8050
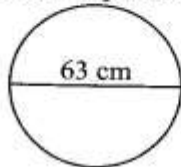   D. sh 8750

26. Simplify the algebraic expression
    $2(3x-2y) + 3(3x+4y)$.
    A. $15x + 8y$
    B. $15x - 2y$
    C. $15x + 2y$
    D. $15x - 8y$

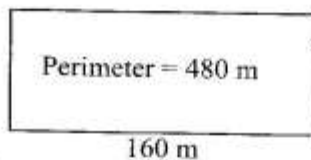27. Which one of the following diagrams shows arcs that lead to bisecting of a line?

A.   B.

C.   D.

28. The figure below represents a wheel.

63 cm

What distance in metres does it cover after making 700 complete revolutions?

A. 19.8 m   B. 1386 cm

C. 1980 m   D. 13.86 m

29. Halima bought a coat at sh 890.25. She later sold it for sh 1900. How much profit did she make?

A. sh 119   B. sh 1009.75

C. sh 1009.25   D. sh 119.50

30. The figure below represents a rectangular piece of land.

Perimeter = 480 m

160 m

What is the width of the piece of land in metres?

A. 80   B. 320

C. 12800   D. 1200

31. A rectangular piece of land measures 150 m by 60 m. What is its area in Ares?

A. 90   B. 900

C. 9000   D. 0.9

32. A trader bought an item for sh 200 and sold it for sh 150. What was his percentage loss?

A. 20%   B. 50%

C. 25%   D. 33.3%

33. Which of the following signs can be put in the blank space to complete the statement 300g ____ 0.3 kg?

A. =   B. >

C. <   D. None

34. A distance of 420 m is represented by 6 cm. What length will represent a distance of 630 m?
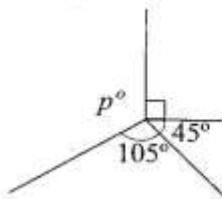
A. 7 cm   B. 9 cm

C. 8 cm   D. 5 cm

35. Convert $2\frac{1}{4}$ tonnes into kilograms?

A. 22500   B. 21500

C. 2150   D. 2250

36. A trader bought $7\frac{1}{2}$ kg of maize flour. He repacked the flour into smaller packets of $\frac{3}{4}$ kg. How many packets did he obtain?

A. 10   B. 6

C. 20   D. 8

37. What is the value of the angle marked p in the figure below?

A. 75°
B. 90°
C. 120°
D. 45°

38. Work out:

Litres	dl	ml
11	7	36
7	4	85

l	dl	ml
A. 4	3	51
B. 4	1	49
C. 4	2	49
D. 4	2	51

39. An empty lorry has a mass of 4.5 tonnes. When it is loaded with 50 kg bags of maize, its mass is 6.3 tonnes. How many bags of maize are in the lorry?

A. 36   B. 90

C. 45   D. 120

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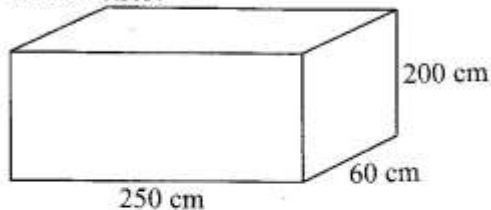   C. $15\frac{1}{2}$ D. $15\frac{43}{30}$

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