STANDARD 6 MID TERM 2 EXAM 2019
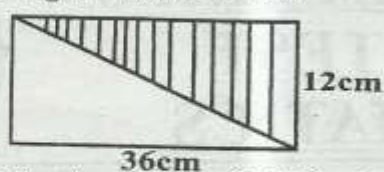
MATHEMATICS

1. Which one of the following is **6 056 066** in words?
   A. Six million, fifty six thousand and sixty six.
   B. Sixty million, fifty six thousand and sixty six.
   C. Six million, five hundred and six thousand and sixty six
   D. Six million, fifty six thousand, six hundred and six.

2. Round off **34 523** to the nearest thousand.
   A. 34 500
   B. 30 000
   C. 35 000
   D. 36 000

3. What is the total value of digit **9** in the number **29 843**?
   A. Ninety thousand
   B. Nine thousand
   C. Nine hundred
   D. Ninety

4. Which of the following numbers is divisible by **8**?
   A. 4 846
   B. 5 494
   C. 2 658
   D. 3 624

5. What is the place value of digit 3 in the number 813 492?
   A. Thousands
   B. Hundreds
   C. Tens of thousands
   D. Tens

6. Find the area of a square plot whose side is 18m.
   A. 361m²
   B. 72 m²
   C. 36m²
   D. 324m²

7. A city had 2 348 971 people. If the number of men was 634 281 and women 342 992, how many children were there?
   A. 1 268 238
   B. 1 371 698
   C. 1 731 698
   D. 1 461 968

8. A newspaper vendor sold 634 newspapers in one day at sh.65.00 each. How much money did he collect altogether?
   A. Sh.41 120
   B. Sh.48 230
   C. Sh 41 210
   D. Sh.43 280

9. What is the value of 12.814+28+0.12?
   A. 12.962
   B. 36.284
   C. 28.814
   D. 40.934

10. Arrange the fractions $\frac{1}{3}$, $\frac{1}{9}$, $\frac{1}{4}$ and $\frac{1}{5}$ from the smallest to the largest.
    A. $\frac{1}{9}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$
    B. $\frac{1}{9}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{3}$
    C. $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{9}$
    D. $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{9}$

11. 3 648 textbooks were given to 8 schools. If each school received an equal share, how many books were given to each school?
    A. 546
    B. 645
    C. 465
    D. 456

12. What is the next number in the pattern below?
    4, 9, 25, 49, ___
    A. 81
    B. 121
    C. 169
    D. 69

13. What is the shortest possible length of wire from which equal pieces of 16cm, 20cm and 24cm can be cut?
    A. 80cm
    B. 120cm
    C. 240cm
    D. 180cm

14. The figure drawn below is a rectangle

    What is twice the distance round it?
    A. 172m
    B. 71m
    C. 142m
    D. 284m

15. What is the reciprocal of $3\frac{2}{3}$?
    A. $\frac{3}{11}$
    B. $\frac{8}{3}$
    C. $\frac{11}{3}$
    D. $\frac{3}{8}$

16. What is 26 026 divided by 13?
    A. 2.2
    B. 22
    C. 202
    D. 2 002

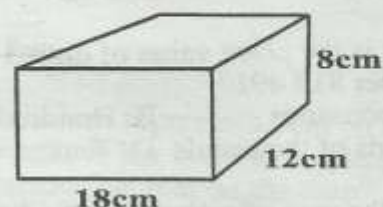17. Find the area of the shaded region in the figure drawn below.

12cm

36cm

A. 432cm²   B. 216cm²
C. 108cm²   D. 96cm²

18. Three donations of sh.120, sh.180 and sh.240 are to be shared equally without a remainder. What is the highest amount of money which can be shared equally without remainder?

A. Sh.80   B. Sh. 30
C. Sh. 60   D. Sh.70

19. A bottle was $\frac{3}{4}$ full of water. Khamisi poured out $\frac{2}{5}$ of water from the bottle. How much water was left?

A. $\frac{1}{3}$ B. $\frac{3}{8}$
C. $\frac{3}{5}$ D. $\frac{7}{20}$

20. Simplify: 8(3x+2y)+2(2x-4y)

A. 28x+8y   B. 28x-8y
C. 28x+24y   D. 28x-24y

21. Solve the equation $\frac{2}{3}$x-8=16

A. 16   B. 36
C. 24   D. 18

22. Which one of the following statements is correct?

A. Right angle < Acute angle
B. 976<967
C. 562 days =2 years
D. 49 days> 5 weeks

23. What is $\frac{1}{2}$ of 20?

A. 10   B. 12
C. 8   D. 15

24. Which of the following angles is less than a right angle?

A. Acute angle   B. Reflex angle
C. Obtuse angle   D. Straight line

25. Change $8\frac{1}{3}$ into improper fraction

A. $\frac{12}{3}$ B. $\frac{25}{3}$
C. $\frac{3}{25}$ D. $\frac{3}{12}$

26. A rectangular sheet of metal is $1\frac{3}{4}$ metres long and $1\frac{3}{4}$ metres wide. What is the area of the sheet of metal in square metres?

A. $4\frac{1}{4}$m²   B. $2\frac{1}{2}$m²
C. $5\frac{1}{2}$m²   D. $3\frac{3}{4}$m²

27. What is 30% of 180?

A. 60   B. 90
C. 54   D. 120

28. How many minutes are there in 5 hours 18 minutes?

A. 318 minutes   B. 418 minutes
C. 518 minutes   D. 618 minutes

29. The following are properties of a triangle
(i) Each interior angle is 60°
(ii) All sides are equal
(iii) The sum of interior angles add up to 180°

Which of the following triangles is being described above?

A. Scalene triangle
B. Isosceles triangle
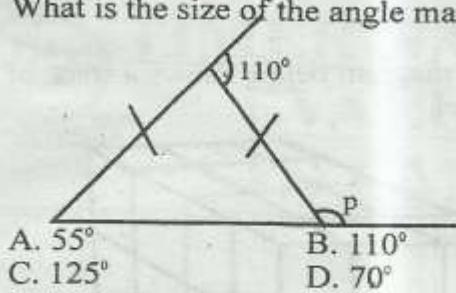C. Equilateral triangle
D. Right angled triangle

30. The diagram below is a cuboid.

8cm

12cm

18cm

What is its volume?

A. 216 cm³   B. 1 728cm³
C. 868cm³   D. 1 024cm³

31. Olesugum had 400 cows, 80 of them died during drought. What percentage of the cows remained?

A. 80%   B. 75%
C. 20%   D. 25%

32. What is the size of the angle marked **P**?

A. 55°   B. 110°
C. 125°   D. 70°

33. How many tins each holding $1\frac{1}{2}$ kg of sugar can be filled from a jar containing 60kg?
A. 90   B. 40
C. 50   D. 60

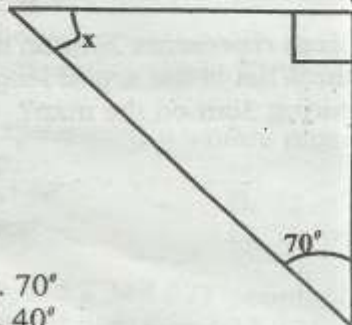34. 4 bags of maize, each weighing 90kg were sold for sh.6 300. How much was the cost of 1kg of maize?
A. Sh.19.50   B. Sh.21.50
C. Sh.17.50   D. Sh.15.50

35. Otieno bought the following from a kiosk:
2 $\frac{1}{4}$ kg of meat at sh 180 per kg
4 bars of soap at sh 80 per bar
2kg of maize flour at sh.45.00per kg.
5 toothpaste tubes at sh 40 per tube
What was his total bill?
A. Sh.1 015.00   B. Sh.860.00
C. Sh.980.00   D. Sh.1 200.00

36. Calculate the size of the angle marked **X**
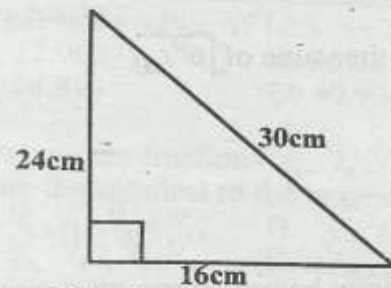

A. 70°
B. 40°
C. 30°
D. 20°

37. Twenty litres of milk were packed in 200ml packets. How many packets were used in packing the milk?
A.200   B.100
C.500   D.1 000

38. Multiply 3 hrs 30min by 3
A. 9 hrs 90min
B. 6 hrs 30min
C. 10hrs30min
D. 9hrs 30min

39. Find the area of the triangle below

A. 384cm²   B. 240cm²
C. 360cm²   D. 192cm²

40. Find the missing numbers **p** and **m**
$$\frac{3}{4} = \frac{p}{12} = \frac{36}{m}$$

A. p=9   m=48
B. p=9   m=36
C. p=12   m=36
D. p=48   m=9

41. Add:

	Sh	cts
	152	98
+	14	23

A. Sh 166   121cts
B. Sh 166   21cts
C. Sh 138   75cts
D. Sh 167   21cts

42. Collect the like terms together.
6p+3t+2p+8t+p

A. 8p+11t   B. 9p+11t
C. 20pt   D. 13p+7t

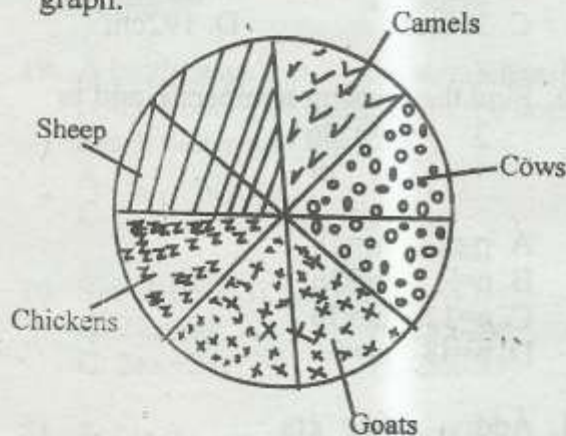43. Express $^{16}/_{25}$ as a percentage

A. 16%   B. 25%
C. 64%   D. 80%

44. Which one of the following is a prime number?
   A. 49
   B. 51
   C. 57
   D. 67

45. What is the value of $\sqrt{6^{19}/_{25}}$?

   A. $2^3/_5$
   B. $3^3/_5$
   C. $1^3/_5$
   D. $4^3/_5$
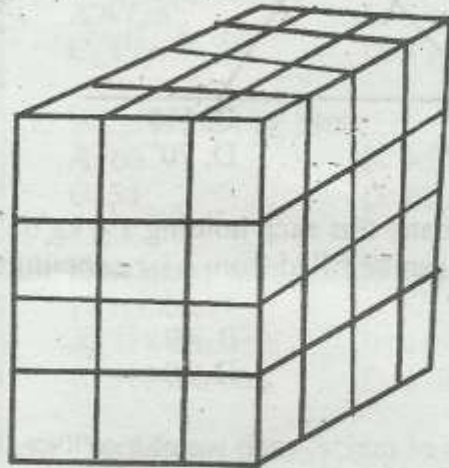
46. The diagram below represents a circle graph.

   What fraction of the circle represents chicken and cows?
   A. $^3/_4$
   B. $^3/_8$
   C. $^3/_{16}$
   D. $^2/_8$

47. How many days are there in the months of February, June and August of a leap year?
   A. 89
   B. 92
   C. 91
   D. 90

48. The diagram below shows a stack of cubes.

   How many cubes are they?
   A. 72
   B. 60
   C. 48
   D. 36

49. A bus left Nairobi at 8.45am to travel to Narok. It took 2 hours to reach. At what time did it reach Narok?

   A. 10.45am
   B. 11.45am
   C. 9.45am
   D. 12.45am

50. On a map, 1cm represents 20m on the actual length. What is the actual length of a road measuring 3cm on the map?

   A. 40m
   B. 60m
   C. 80m
   D. 120m