Standard 7 End Term 1 Exam, 2016

1. Write 1057009 in words
   A. one million fifty seven thousand and nine
   B. ten million fifty seven thousand and nine
   C. one million five hundred and seventy thousand and nine
   D. one million fifty seven thousand and ninety

2. What is 189.80377 round off to the nearest hundredths
   A. 189.80
   B. 189.31
   C. 189.33
   D. 189.77

3. What is the next number in the sequence below
   5, 14, 27, 44, _____
   A. 61
   B. 49
   C. 58
   D. 65

4. John sold a suit for Sh. 7500 making a profit of 20%. What price had he bought the suit?
   A. Sh. 6000
   B. Sh. 1500
   C. Sh. 9000
   D. Sh. 6250

5. Work out: $(0.9)^2 + \sqrt{0.0196}$
   A. 1.94
   B. 0.95
   C. 0.85
   D. 1.4

6. Work out: $\frac{1}{4}$ of $(\frac{1}{8} + \frac{3}{4})$
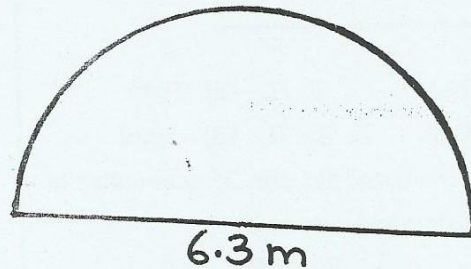   A. $\frac{7}{32}$
   B. $1\frac{1}{8}$
   C. $\frac{8}{9}$
   D. $\frac{7}{8}$

7. Simplify the following equation.
   $\frac{1}{4}w + 3 = 5$
   A. $\frac{1}{2}$
   B. 8
   C. 32
   D. 2

8. Calculate the perimeter of the figure below

6.3 m
   A. 12.6m
   B. 9.9m
   C. 16.2m
   D. 26.1m

9. Convert 21.2% into a decimal
   A. 0.212
   B. 2.5
   C. 0.025
   D. 0.25

10. Arrange $\frac{2}{3}$, $\frac{3}{7}$, $\frac{5}{8}$ and $\frac{4}{9}$ from the largest to the smallest
    A. $\frac{2}{3}$, $\frac{3}{7}$, $\frac{5}{8}$, $\frac{4}{9}$
    B. $\frac{2}{3}$, $\frac{5}{8}$, $\frac{4}{9}$, $\frac{3}{7}$
    C. $\frac{2}{3}$, $\frac{5}{8}$, $\frac{3}{7}$, $\frac{4}{9}$
    D. $\frac{5}{8}$, $\frac{4}{9}$, $\frac{3}{7}$, $\frac{2}{3}$

11. The area of a square is 441m². Calculate its perimeter?
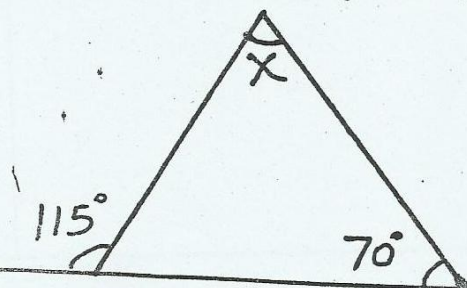   A. 21m
    B. 84m
    C. 63m
    D. 882m

12. What is the total value of digit 3 in the difference of 4100283 and 1886679
    A. 30000
    B. 300000
    C. 3000
    D. 300

13. Which of the number is divisible by eleven?
    A. 138011
    B. 243866
    C. 64834
    D. 118776

14. What is the value of angle X in the figure below?

115°   70°

A. 55⁰   B. 35⁰

C. 60⁰   D. 45⁰

15. In a scale 3cm represents 8.1km. Write the ratio scale

   A. 1:270000   B. 1:27000

   C. 1:270000   D. 1:81000

16. Work out:

L	Dl	Ml
19	18	200
- 3	16	230

   A. 7L 2dl 30ml   B. 7L 1dl 70ml

   C. 7L 2dl 70ml   D. 7L · 1dl 30ml

17. A meeting which lasted for 2hr 35 min ended at 2.00pm. What time had it started?

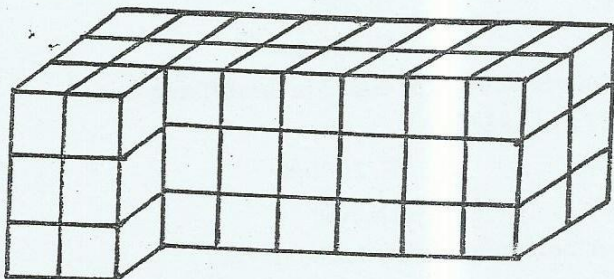   A. 0025h   B. 1225h

   C. 1125h   D. 1025h

8. Work out: $\sqrt{12^{1}/_{4}} + (1^{1}/_{2})^2$

   A. $5^{3}/_{4}$ B. $5^{2}/_{3}$

   C. $4^{3}/_{4}$ D. $4^{2}/_{3}$

9. Construct triangle PQR such that PQ = 7m QR = 5cm angle PQR = 60⁰. Measure the line PR.
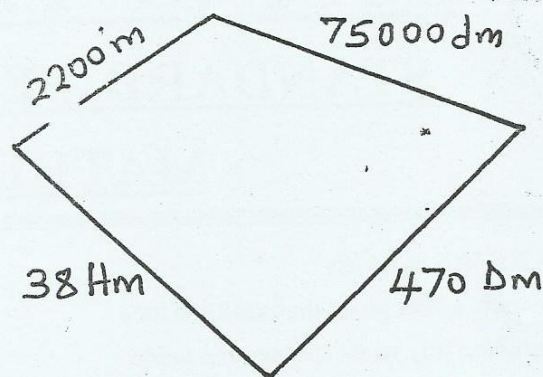
   A. 7cm   B. 8.2cm

   C. 6.3cm   D. 4.5cm

). How many cubes have been used to make the stack below?

   A. 60   B. 54

   C. 48   D. 36

21. What is the perimeter of the figure below in metres

   A. 17200m   B. 18200m

   C. 6500m   D. 11250

22. What is the total value of digit 6 in **340.7864**

   A. Six thousandths   B. 0.06

   C. Sixth   D. $^{6}/_{100}$

23. Kaimenyi had a string of 500.4m. He cut it into equal pieces of 3 centimetres. How many pieces did he end up with?

   A. 16680   B. 1668

   C. 4008   D. 336

24. Use >, < or = in the space provided to make the statement true.

   10.33 + 0.33 _____ 0.33 + 10.3

   A. >   B. <

   C. =   D. all

25. Paul scored an average mark of 63% in six tests. In the first five his sure was 67%, 58%, 72%. 53% and 60%. What was his score in the sixth test?

   A. 80%   B. 78%

   C. 68%   D. 60%

26. In a school 70% of the pupils are boys. If there are 630 pupils how many girls are there?

   A. 441   B. 189

   C. 130   D. 223

27. Work out: $\dfrac{0.14 \times 10.2}{0.07}$

   A. 204   B. 0.204

   C. 2.04   D. 20.4

28. Jackson bought the following items.

    2kg of Flour Shs. 150
    3kg of Rice @ Sh. 70
    2 Bars of Soap @ Sh. 110
    2kg of Cooking Fat @ Sh. 100
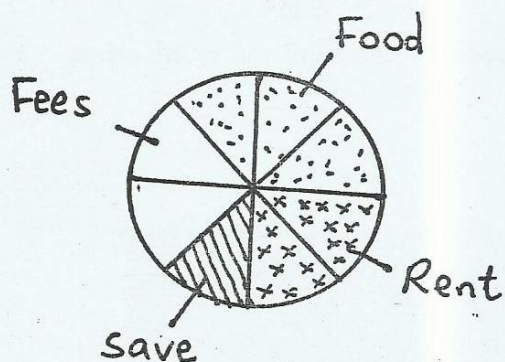   2 boxes of Matches for Sh. 10

    If he gave the shopkeeper Sh. 1000 note how much balance did she receive?

    A. Sh. 950   B. Sh. 210
    C. Sh. 50   D. Sh. 790

29. The cost of 12 books is Sh. 7200. What is the cost of 4 such books?

    A. Sh. 2400   B. Sh. 1600
    C. Sh. 2800   D. Sh. 28800

30. The pie chart below shows how Kariuki spent his salary of Sh. 25000.

How much did he save?

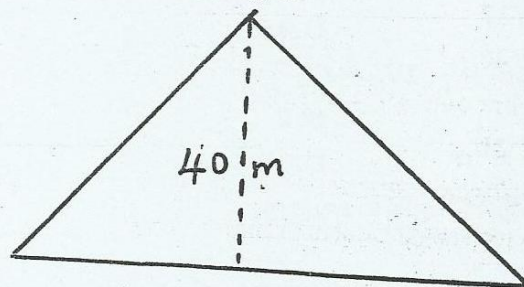   A. Sh. 12500   B. Sh. 6250
    C. Sh. 1800   D. Sh. 3125

A motorist driving at 60km/h travelled 200km. What was the time used?

    A. $5\frac{1}{8}$h   B. $3\frac{5}{6}$h
    C. $4\frac{1}{3}$h   D. $3\frac{1}{3}$h

The length of a string measuring 90m was decreased by 20%. What is the new measurement of the string?

    A. 72m   B. 7.2m
    C. 70m   D. 87m

33. The area of a triangular piece of land below is 9.(Ares. Calculate its length.

    A. 240m   B. 40m
    C. 24m   D. 16m

34. A milk vendor had 20 litres of milk. He packed the milk in $\frac{1}{4}$ litres packets. How many packets did he obtain altogether?

    A. 80   B. 5
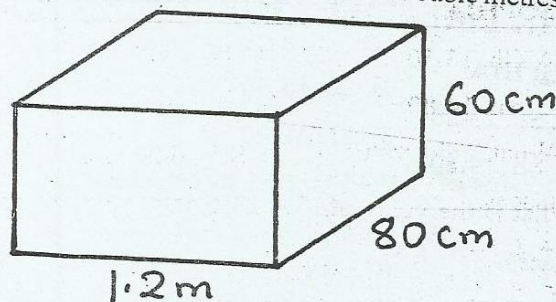   C. 24   D. 16

35. Express 0.082 as a percentage

    A. 82%   B. 8.2%
    C. 820%   D. 0.82%

36. A shopkeeper had 2 tonnes of sugar. He packed the sugar in 500g packets. How many packets did he obtain altogether?

    A. 250   B. 400
    C. 4000   D. 40000

37. Find the volume of the box below in cubic metres

    A. 0.576m³   B. 5.76m³
    C. 57.6m³   D. 576m³

38. What is the value of X
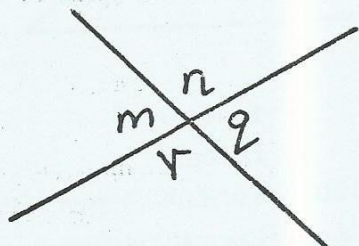
$2(2x + 1) = 66$

   A. 17   B. 33

   C. 40   D. 16

39. Work out: $1\frac{1}{4} - 2\frac{1}{12} + 2\frac{5}{6}$

   A. $2\frac{1}{12}$ B. 2

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

40. Which angle is equal to angle m

   A. n   B. r

   C. q   D. all

41. A dozen of text books weighs 43.2 kg. Calculate the mass of each text book

   A. 36kg   B. 0.36kg

   C. 3.6kg   D. 360kg

42. The charges for sending a telegram is Sh. 12 for ten words or less. Sh. 1.50 is paid for each extra word. A tax of 20% of the total is then charged. How much did Sophia pay for the telegram below?

NZIVA BOX 13 TALA SEND SCHOOL FEES SHILLINGS TWELVE THOUSANDS SOPHIA

   A. Sh. 13.50   B. Sh. 15.50

   C. Sh. 14.80   D. Sh. 16.20

43. What is the value of $7 \div 13$ correct to 2 decimal places.

   A. 0.54   B. 0.53

   C. 0.58   D. 7.13

44. What is the next number in the series

$\frac{1}{2}, 1, \frac{3}{2}, 2, \frac{5}{2}, \_\_\_\_$

   A. $\frac{1}{6}$ B. 3

   C. $3\frac{1}{2}$ D. $\frac{7}{2}$

45. A lorry is to carry 40 cartons each containing 200 tins. If each tin weighs 500g. What is the total mass of the tins in tonnes?

   A. 0 t   B. 4t

   C. 40t   D. 400t

46. Which is shortest length of wood from which equal pieces of length 32cm. 28cm and 56cm can be obtained without a remainder?

   A. 116cm   B. 4cm
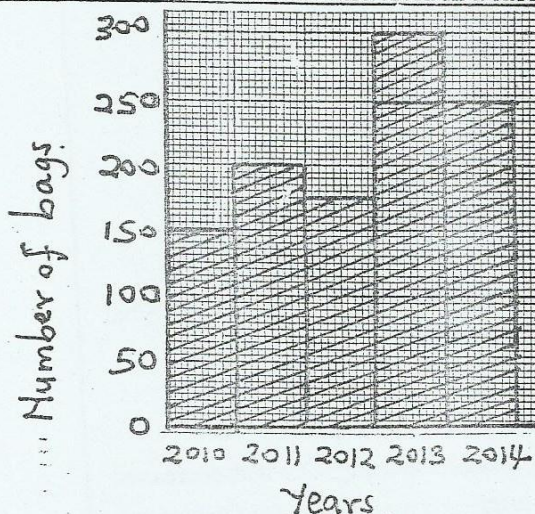
   C. 120cm   D. 224cm

47. During a political party meeting the number of men were thrice the number of women. If the women were 20432 how many more men than women attended the meeting?

   A. 40864   B. 20084

   C. 41864   D. 39864

48. What is the product of the third and fourth prime numbers?

   A. 12   B. 77

   C. 35   D. 15

The bar graph below shows maize yield in a farm.

49. During which period was the increase in yields highest?

   A. 2010 - 2011   B. 2013 - 2014

   C. 2012 - 2013   D. 2011 - 2012

50. Calculate the average production in the five years.

   A. 1075   B. 215

   C. 1400   D. 280