

SCHOOL BASED EVALUATION TEST

STD 7 - YEAR 2020

MATHEMATICS

Time : 2 Hours

READ THESE INSTRUCTIONS CAREFULLY.

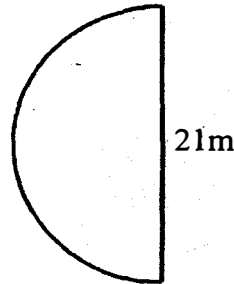
1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
2. Make sure that you have written on the answer sheet.

(i) Your name

(ii) Name of your school

1. What is twenty million fourteen thousand, two hundred and two in symbols
 A. 20014022 B. 20014202
 C. 20104202 D. 20014022
2. What is the value of digit 8 in the product of 156 and 52
 A. 8000 B. 800
 C. 80 D. 8
3. What is the next number in the pattern 4, 9, 25, 49, _____
 A. 169 B. 121
 C. 144 D. 81
4. In a location there are 798676 children and 541891 adults. What is the total number of people to the nearest thousand?
 A. 1340600 B. 1340567
 C. 1341000 D. 1340000
5. Ogato divided the square of 24 by the square of 8. What was the answer?
 A. 6 B. 36
 C. 8 D. 9
6. Round off 89746 to the nearest ten thousand.
 A. 88700 B. 80000
 C. 89000 D. 90000
7. What is $8\frac{1}{3} - 2\frac{3}{4} =$
 A. $5\frac{7}{12}$ B. $6\frac{17}{24}$
 C. $9\frac{3}{24}$ D. $11\frac{1}{4}$

8. Calculate the circumference of the following figure



- A. 21m B. 42m
 C. 54m D. 33m
9. How many groups of 1000 are there in the total value of 5 in 985763?
 A. 625 B. 50
 C. 5 D. 5000
10. Convert $\frac{5}{12}$ into a decimal correct to nearest thousandths
 A. 0.417 B. 0.416
 C. 0.412 D. 0.42
11. Work out:
 $3\frac{2}{3} - 4 + 2\frac{1}{4} =$
 A. $1\frac{7}{12}$ B. $2\frac{7}{12}$
 C. $1\frac{11}{12}$ D. $1\frac{11}{12}$
12. What is the product of the digits represented by letters w and z in the magic square below?

6	W	
	7	8
Z		8

- A. 48 B. 45
 C. 60 D. 90

13. What is the value of:

$$0.72 \times 6.4 \times 15.6$$

$$3.2 \times 0.13 \times 1.8$$

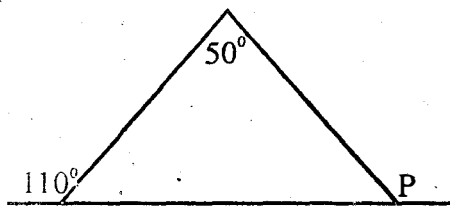
- A. 960 B. 0.96
C. 9.6 D. 96

14. Work out:

$$73785 - 84214 + 15837 =$$

- A. 5408 B. 26266
C. 1421162 d. 26266

15. What is the size of angle p?



- A. 110° B. 70°
C. 120° D. 60°

16. What is the square root of

$$\frac{289}{625}$$

- A. $\frac{6}{15}$ B. $\frac{17}{25}$
C. $\frac{32}{50}$ D. $\frac{4}{5}$

17. What is the compliment of 79° ?

- A. 271° B. 31°
C. 101° D. 11°

18. Nyangara paid sh 480 for a dress after getting a discount of 20%. What was the marked price of the dress?

- A. Sh 120 B. Sh 30
C. Sh 600 D. Sh 500

19. Juma slept for 8 hours 30 minutes. If he woke up at 6.00am the following day when did he sleep?

- A. 9.30pm B. 7.30 pm
C. 8.30 pm D. 10.30 pm

20. Simplify:

$$\frac{5}{6} (18x - 12) + \frac{1}{4} (8x - 16)$$

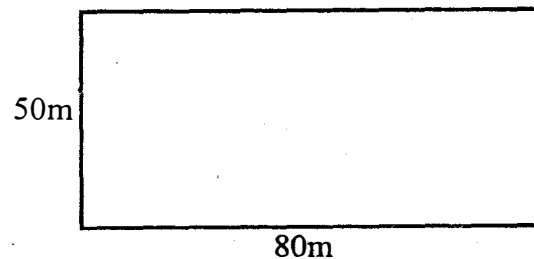
- A. $17x - 6$ B. $17x + 14$
C. $17x + 4$ D. $17x + 6$

21. What is the next fraction in the sequence

$$2\frac{1}{4}, 1\frac{3}{4}, 1\frac{1}{4}$$

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

22. Mwema's piece of land was fenced with three strands of wire. What is the length of the wire used?



- A. 260m B. 130m
C. 4000m D. 780m

23. What is the value of:

$$\sqrt{100} \div \sqrt{25}$$

- A. 5 B. 2500
C. 2 D. 10

24. Which of the following sets would form a right angled triangle?

- A. 6cm 12cm 13cm
B. 9cm 40cm 41cm
C. 6cm 5cm 4cm
D. 11cm 40cm 41cm

25. A map is drawn using the scale 1:50000.

What is the drawing, length represented by 25km?

- A. 40cm B. 25cm
C. 30cm D. 50cm

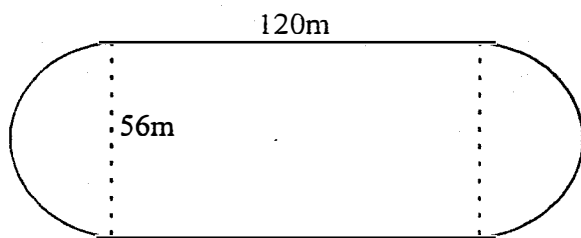
26. Arrange the following fractions from the smallest to the highest.

$$\frac{2}{3}, \frac{3}{4}, \frac{5}{8} \text{ and } \frac{7}{10}$$

- A. $\frac{5}{8}, \frac{2}{3}, \frac{7}{10}, \frac{3}{4}$ B. $\frac{5}{8}, \frac{2}{3}, \frac{3}{4}, \frac{7}{10}$

- C. $\frac{2}{3}, \frac{3}{4}, \frac{5}{8}, \frac{7}{10}$ D. $\frac{3}{4}, \frac{7}{10}, \frac{2}{3}, \frac{5}{8}$

27. How many days were there between 25th January and March 12th in the year 2012?
 A. 48 B. 46
 C. 49 D. 47
28. **Work out:**
 $2\frac{4}{7} \times 2\frac{2}{5}$ and give
 Your answer as a mixed number.
 A. $2\frac{6}{35}$ B. $3\frac{6}{35}$
 C. $1\frac{1}{35}$ D. $2\frac{28}{35}$
29. Increase 700 by 15%.
 A. 695 B. 105
 C. 595 D. 805
30. The mean score by six pupils in an examination was 74. If the marks of five of them was 84, 70, 72, 68, 66 what was the sixth score?
 A. 84 B. 60
 C. 58 D. 80
31. Construct a triangle ABC such that AB=5cm, BC=12cm and AC=13cm. Measure angle ABC.
 A. 85° B. 90°
 C. 40° D. 50°
32. The cost of 5 trousers is sh 3125. What is the cost of 3 such trousers?
 A. Sh 1250 B. Sh 1875
 C. Sh 1500 D. Sh 3000
33. The diagram below shows a school field.



What distance did an athlete cover after running round the field four times in km?

- A. 2.516km B. 0.416km
 C. 7.24km D. 1.664km

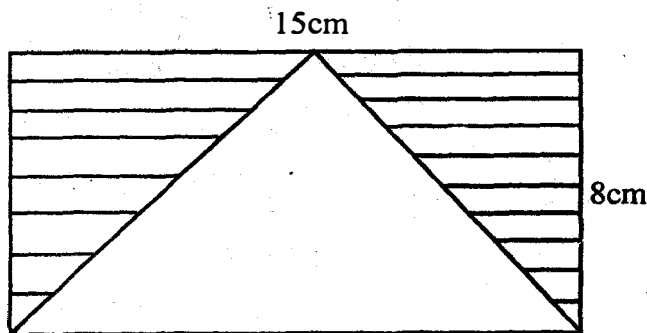
34. A car is travelling at a speed of 90km/h. What distance in metres does it cover in 4 seconds?
 A. 100m B. 25m
 C. 50m D. 90m
35. Find the value of:
 $7\frac{1}{2} \div 1\frac{1}{2} \times 3 =$
 A. 16 B. 15
 C. $13\frac{1}{2}$ D. 18
36. A rectangle 25cm long and 12cm wide has the same areas as a triangle whose height is 10cm. What is the length of the base of the triangle?
 A. 300cm B. 60cm
 C. 30cm D. 15cm
37. Onderi bought the following items from the shop.
 $\frac{1}{2}$ kg of rice @ sh 90
 5kg packet of maize meal for sh 270
 $1\frac{1}{2}$ kg of sugar @ sh 80
 How much did he receive as balance from a thousand shilling note?
 A. Sh 575 B. Sh 525
 C. Sh 475 D. Sh 565
38. Elijah is 6 times as old as his son. If their difference in age is 30 years. How old is Elijah?
 A. 36 years B. 25 years
 C. 46 years D. 30 years
39. A lorry carried 87 bags of beans in one trip. How many bags does it carry in 24 trips?
 A. 2088 B. 63
 C. 3 rem 15 D. 111
40. How many centimetres are there in 3.2km?
 A. 3200 B. 320000cm
 C. 3200000cm D. 32000cm
41. Which number is divisible by 11?
 A. 7692 B. 7111
 C. 1011 D. 8580

42. Multiply:

15 hours 20 minutes 52 seconds by 3

- A. 45 hours 60 minutes 15 seconds
- B. 46 hours 62 minutes 36 seconds
- C. 46 hours 2 minutes 36 seconds
- D. 45 hours 69 minutes 156 seconds

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



- A. 120cm^2
- B. 60cm^2
- C. 40cm^2
- D. 80cm^2

44. Find the value of:

$$x - 12 = 27$$

- A. 39
- B. 31
- C. 15
- D. 29

45. What is:

$$\frac{6.4 \times 7.2}{0.16 \times 0.9} ?$$

- A. 32
- B. 0.32
- C. 320
- D. 3.2

46. What is the value of:

$$12\frac{1}{4} - 8\frac{3}{4} + 1\frac{1}{5}$$

- A. $5\frac{3}{4}$
- B. $2\frac{1}{12}$
- C. $4\frac{7}{10}$
- D. $5\frac{7}{10}$

47. Omanga bought 50 bananas for sh 600.

What will be the cost of 200 bananas if the cost price of the bananas was the same?

- A. Sh 2400
- B. Sh 4800
- C. Sh 3000
- D. Sh 5000

48. Multiply

t	kg	grams
4	85	148
x		8

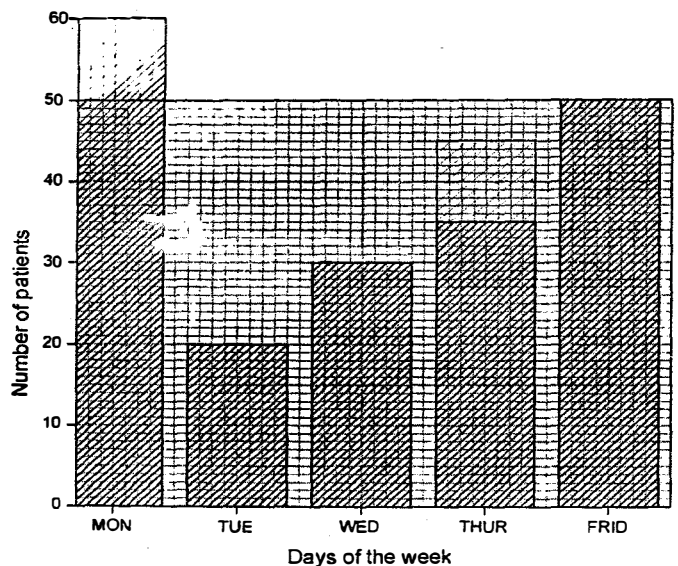
- A. 4t 81kg 184g
- B. 38t 80kg 1184g
- C. 4t 86kg 184g
- D. 32t 681kg 184g

49. A farm has coffee planted in rows. There are 474 rows each with 362 coffee trees.

How many coffee trees are in the plantation?

- A. 170488
- B. 171588
- C. 170588
- D. 171458

50. The graph below shows the number of patients who attended VCT tests in Migori county from Monday to Friday. Use it to answer question 50.



What was the mean number of the attendance during that week?

- A. 200
- B. 50
- C. 40
- D. 60