

SCHOOL BASED EVALUATION TEST

STANDARD SEVEN - YEAR 2021

7

SASON
007

MATHEMATICS

READ THESE INSTRUCTIONS CAREFULLY

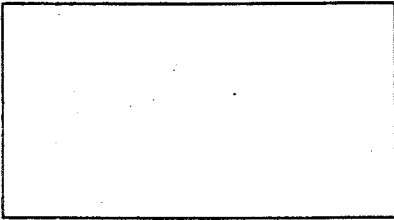
1. Use an ordinary pencil only. Time : 2 Hours
2. Make sure that you have written on the answer sheet:-
 (I) YOUR NAME (II) NAME OF YOUR SCHOOL
3. When you have chosen your answer, mark it on the ANSWER SHEET, not in this question booklet.

1. What is the place value of digit 7 in the number 87569?
 A. Tens B. Thousands
 C. Hundreds D. Ten thousands
2. Round off 87364 to the nearest thousands
 A. 87000 B. 87300
 C. 90000 D. 87360
3. Mr. Mwairumba a farmer in Taita Taveta county harvested 48,673 bags of maize, 6737 bags of beans and 3695 bags of millet in year 2010. How many bags did he harvest altogether?
 A. 59205 B. 59501
 C. 69205 D. 95105
4. Find the G.C.D of 24, 48 and 72.
 A. 48 B. 8
 C. 24 D. 144
5. Which among the numbers is divisible by 8?
 A. 46249 B. 38416
 C. 92402 D. 87411
6. Work out: $(17)^2$
 A. 256 B. 289
 C. 189 D. 389
7. Work out: $37248 + 48 + 93645 =$
 A. 130491 B. 130904
 C. 130941 D. 139041
8. There were 896 children in Riara Primary School. If each child contributed Sh. 430 for a trip, how much money did they contribute altogether?
 A. 358280 B. 385280
 C. 385180 D. 385820
9. The table below shows the number of bags of groundnuts harvested by a farmer over period of 5 years from 2006 - 2010.

Year	2006	2007	2008	2009	2010
No of bags	493	—	680	720	1420

If he had harvested a total of 3877 bags for 5 years. How many bags had he harvested in 2007?

- A. 3313 B. 464
 C. 664 D. 564
10. Find the next number in the sequence 1, 8, 15, 22, _____
 A. 19 B. 23
 C. 29 D. 25
11. Which is the smallest number which is divisible by 9, 12 and 18?
 A. 36 B. 42
 C. 48 D. 72
12. Work out: $\frac{2}{3} + \frac{3}{4} + \frac{3}{5} =$ _____
 A. $3\frac{1}{60}$ B. $2\frac{1}{60}$
 C. $4\frac{5}{60}$ D. $1\frac{1}{60}$
13. Remove the brackets and simplify $2(3x + 4) + 3(2x + 5) =$ _____
 A. $12x - 7$ B. $12x + 7$
 C. $14x + 23$ D. $12x + 23$
14. Find the area of the figure below;

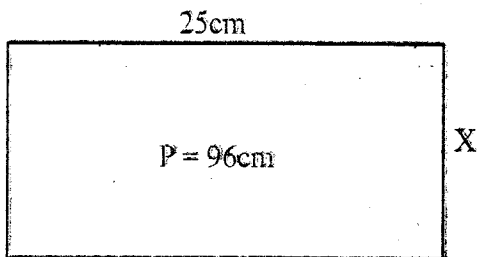


 A. $128m^2$ B. $88m^2$
 C. $988m^2$ D. $798m^2$

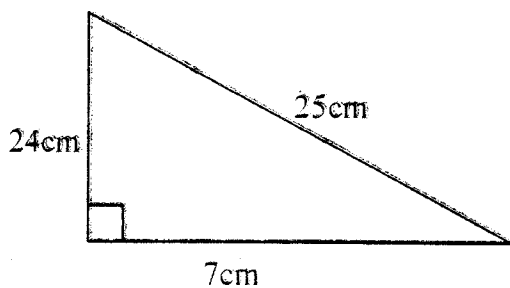
15. Solve for x : $1\frac{1}{2}x - 7 = 21$
 A. 14 B. 21
 C. $10\frac{1}{2}$ D. 12
16. Which statement is not correct?
 A. $\frac{1}{2} = 50\%$ B. $0.6 = \frac{3}{5}$
 C. $\frac{3}{4} < \frac{2}{3}$ D. $400g > \frac{1}{4}kg$

17. Multiply: $8\frac{3}{4}$ by $2\frac{1}{5} =$ _____
 A. $4\frac{1}{2}$ B. $3\frac{1}{2}$
 C. $5\frac{1}{2}$ D. $1\frac{1}{2}$
18. Work out: $(5\frac{1}{2})^2$
 A. $3\frac{1}{4}$ B. $12\frac{1}{4}$
 C. $5\frac{1}{4}$ D. $30\frac{1}{4}$

19. If the perimeter of the rectangle below is 96cm. Find the width X?



- A. 23cm B. 19cm
 C. 24cm D. 18cm
20. Find the area of the triangle below.

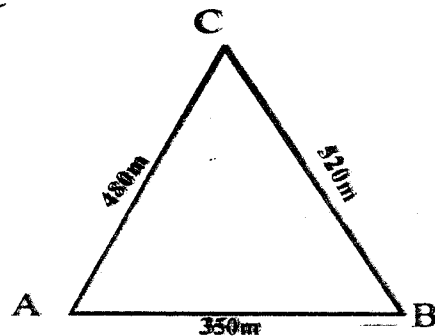


- A. $168cm^2$ B. $84cm^2$
 C. $175cm^2$ D. $57cm^2$
21. What is the sum of prime numbers between 50 and 60?
 A. 417 B. 297
 C. 112 D. 236
22. Write 49 in Roman number
 A. XLXI B. LXIX
 C. XLIX D. XILXI

23. Work out:-

$$\begin{array}{r} \frac{km}{2} \\ \times \\ \hline \end{array} \qquad \begin{array}{r} \frac{m}{540} \\ 3 \\ \hline \end{array}$$

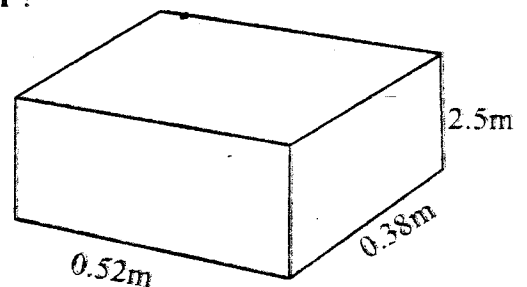
- A. 6 km 1620 m B. 8 km 620 m
 C. 7 km 620 m D. 7 km 1620 m
24. Juma is 0.32m taller than Kamau. If Kamau is 1.25m, how tall is Juma?
 A. 1m 25cm B. 1m 57cm
 C. 1.57cm D. 157m
25. Kamiro drove from town A to B through town C



- What distance did he cover altogether in kilometres?
 A. 1350km B. 13.5km
 C. 1350m D. 1km

26. Work out:
 $0.367 + 1.005 + 4.3 =$ _____
 A. 56.72 B. 5.672
 C. 0.5672 D. 5672
27. Judy went to school at 8.20am and went back home at 4.30pm. For how long had she been in school?
 A. 9 hours 10 minutes
 B. 8 hours 10 minutes
 C. 7 hours 70 minutes
 D. 7 hours 20 minutes

28. What is the volume of the box below in cm^3 ?



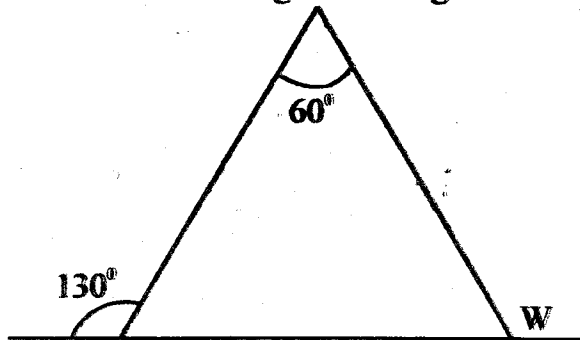
- A. $49400cm^3$ B. $4.94 cm^3$
 C. $494000cm^3$ D. $0.494 cm^3$

29. Work out:-

<u>Hrs</u>	<u>Min</u>
8	45
- 5	50

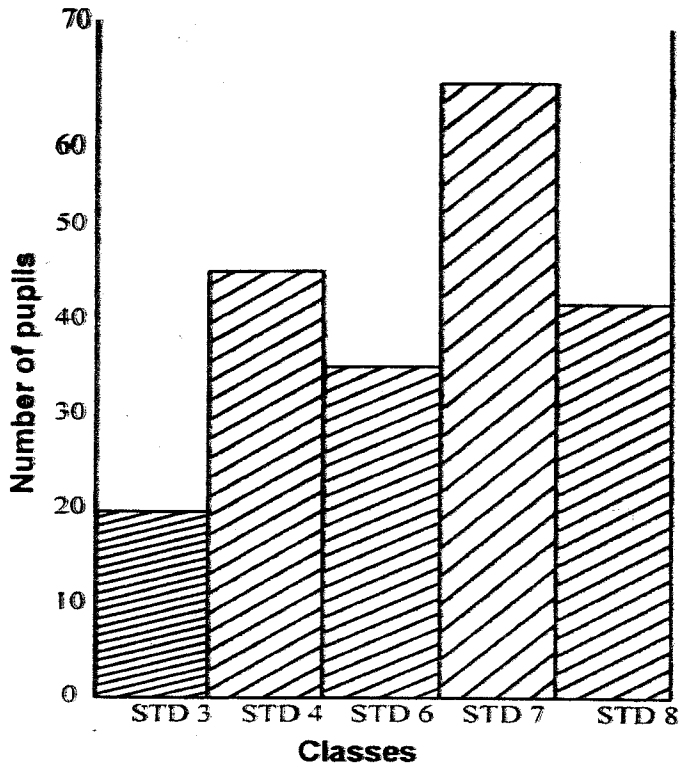
- A. 2 hours 55 minutes
 B. 3 hours 55 minutes
 C. 14 hours 35 minutes
 D. 2 hours 05 minutes

30. Find the value of angle W in degrees.



- A. 50° B. 70°
 C. 110° D. 120°

The graph below shows the number of pupils who attended swimming lessons in a week from different classes. Use it to answer question 31;



31. How many pupils attended swimming from all classes in the whole week?
 A. 195 B. 300
 C. 205 D. 105

32. How many $\frac{2}{3}$ kg packets can be obtained from 60 kg of sugar?
 A. 40 packets B. 120 packets
 C. 30 packets D. 90 packets

33. A packets of pishori rice weighed $3\frac{2}{5}$ kg. How many grams were these?
 A. 240g B. 3400g
 C. 200040g D. 2400g

34. Sam went to a supermarket and bought the following items;
 - $2\frac{1}{2}$ kg of sugar @ Sh. 80
 - $1\frac{1}{2}$ kg of rice @ Sh. 60
 - 2 bars of soap for Sh. 120
 If she gave out the Sh. 500, how much change did she get?
 A. Sh. 410 B. Sh. 70
 C. Sh. 430 D. Sh. 90

The table below shows charges for letter according to postal rates. Use it to answer question 35;

Letter limit of weight	Shs.	Cts.
1g up to 10g	12	00
Over 10g up to 30g	15	00
Over 30g up to 100g	20	00
Over 60g up to 100g	70	00
Over 100g up to 200g	120	00
Over 200g up to 500g	130	00
Over 500g up to 1kg	150	00

35. Atisi sent the following three letters weighing 15g, 230g and 920g respectively. How much did she pay?
 A. Sh. 295 B. Sh. 250
 C. Sh. 395 D. Sh. 280

36. If 1 cm represent 400 m, re-write the scale in ratio form.
 A. 1 : 400m B. 1 : 4000
 C. 1 : 40000 D. 1 : 400000

37. Arrange the fractions from the smallest to the largest;
 $\frac{1}{2}, \frac{3}{4}, \frac{2}{5}, \frac{4}{5}$
 A. $\frac{4}{5}, \frac{3}{4}, \frac{1}{2}, \frac{2}{5}$ B. $\frac{2}{5}, \frac{3}{4}, \frac{4}{5}, \frac{1}{2}$
 C. $\frac{3}{4}, \frac{2}{5}, \frac{1}{2}, \frac{4}{5}$ D. $\frac{2}{5}, \frac{1}{2}, \frac{3}{4}, \frac{4}{5}$

38. Work out: 40% of 960

- A. 240 B. 340
C. 420 D. 384

39. Mr. Kenja earns Sh. 4800 per month. If he saves 40%, how much does he save?

- A. Sh. 2880 B. Sh. 2480
C. Sh. 1820 D. Sh. 1920

40. Work out:
 $23316 \div 58 =$

- A. 42 B. 402
C. 4002 D. 40002

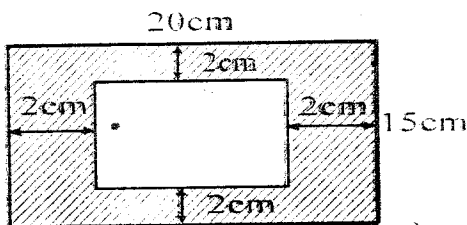
41. Work out:
 $3\frac{1}{2} \div 1\frac{3}{4} =$ _____

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

42. Convert 4375 millilitres into litres

- A. 0.4375 litres B. 4.375 litres
C. 43.75 litres D. 437.5 litres

43. Find the unshaded area (uniform margin of 2cm)



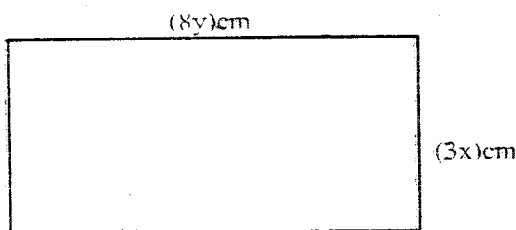
- A. 476cm^2 B. 176cm^2
C. 300cm^2 D. 124cm^2

44. Solve for y in the equation

$$2y - 3 + 4y = 21$$

- A. 3 B. 8
C. 4 D. 6

45. Find the perimeter of the rectangle below



- A. $(16y + 6x)\text{cm}$ B. $(3y + 16x)\text{cm}$
C. $(18y + 3x)\text{cm}$ D. $(32y + 12x)\text{cm}$

46. Work out:-

$$43214 + 3671 + 88 = \underline{\hspace{2cm}}$$

- A. 56973 B. 69473
C. 36973 D. 46973

47. Round off 38.169 to 2 decimal places

- A. 38.170 B. 38.20
C. 38.17 D. 38.2

48. How many 250g packets can be obtained from 75kg of wheat flour?

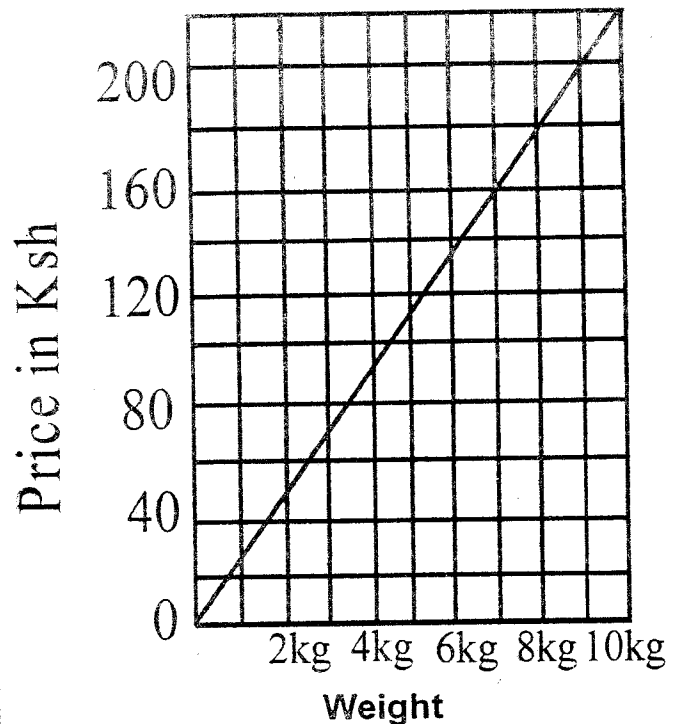
- A. 300 B. 30
C. 30000 D. 3000

49. Work out:

$$120 \div \frac{2}{3} = \underline{\hspace{2cm}}$$

- A. 80 B. 180
C. 40 D. 96

50. The graph below shows the price of a certain commodity and the mass one can buy for a particular price.



How much can one pay for 3kg of the commodity?

- A. Sh. 60 B. Sh. 50
C. Sh. 70 D. Sh. 65