

KINGS SCHOOLS-KABOWA

SET XXV EXAMINATION 2020 PRIMARY SEVEN MATHEMATICS

NAME: _____

CLASS: _____ STREAM: _____

Section A.

1. Simplify: $\frac{4}{7} + \frac{4}{7} =$

2. Write **XCVI** in Hindu Arabic numerals.

3. Simplify: $3k + 4y - 3k - 5y$.

4. Change 840m to km.

5. Using a pair of compasses construct an angle of 75° .

6. Find the square root of $3\frac{1}{16}$.

7. Kapere bought a radio for sh 60,000 and sold it at a loss of sh.15000. At how much did Kapere sell the radio?

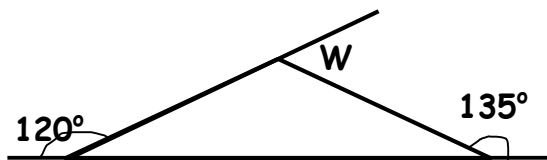
8. Express 20cm as a percentage of 1m

9. Find the next number in its sequence.

3, 8, 6, 11, 9, _____,

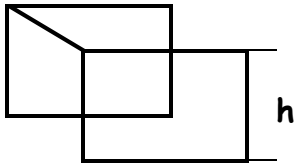
10. Express 2:30 pm in 24 hour clock system.

11. Find the size of angle W.



12. Mugaga covered 240km in 2 hrs 30mins. At what speed was he moving?

13. The volume of the figure below is 72cm^3 . If its base area is 36cm^2 . Find its height.



14. What number has been expanded to give;
 $(8 \times 10^{-4}) + (7 \times 10^3) + (4 \times 10^1)$

15. Round off 86955 to the nearest thousands.

16. Find the range of 3, -4, 5, -6 and 0.

17. Find the unknown base;

$$31_W = 13_{\text{ten}}$$

18. Simplify: $^+4 - ^+6$.

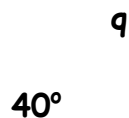
19. Set R has 16 subsets. Find $n(R)$.

20. Find the mean of $3y, 0, 2y, 7$ and 3

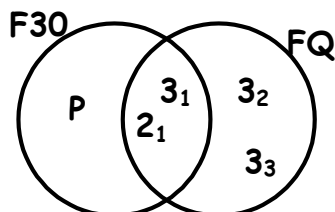
SECTION B

21. a) $(X + 40^\circ)$ and 30° are complementary angles. Find the value of X .
(3 marks)

b) Find the size of angle Q. (2 marks)



22. Below is a Venn diagram, use it to answer questions that follow.



b) Find the value of Q. (1 mark)

c) Work out the L.C.M of 30 and Q. (2 marks)

23.a) In a basket, there are 11 red balls, 6 blue balls and 9 pink balls.

Find the probability of picking a ball which is;

i) blue (2 marks) ii) red (2 marks) iii) pink(2 marks)

24. The circumference of the circle is 132cm.

a) Find its radius. (3 marks) b) Work out its area. (2 marks)

25. The mean of X, X-2, 6, 5 and 4 is 9.

a) Find the value of X. (3 marks)

b) Find the range of the number. (2 marks)

26.a) Change 32_{five} to base two. (3 marks)

b) Subtract: 402_{five} (2 marks)

$$\begin{array}{r} 402_{\text{five}} \\ - 44_{\text{five}} \\ \hline \end{array}$$

27. Candidates scored the following marks;

50, 75, 60, 75, 80, 60, 75, 90, 80 and 75. (3 marks)

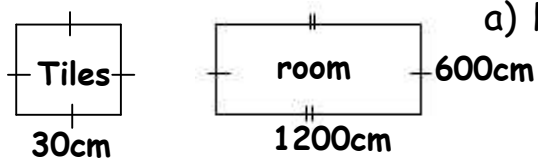
a) Represent the information above on the table below.

Marks scored	60	_____	80	50
No. of pupils	_____	4	_____	_____

b) Calculate the average mark. (2 marks)

28. A trader borrowed sh.1,200,000 from the bank which offers

29. Tiles were put in a rectangular room as shown below.

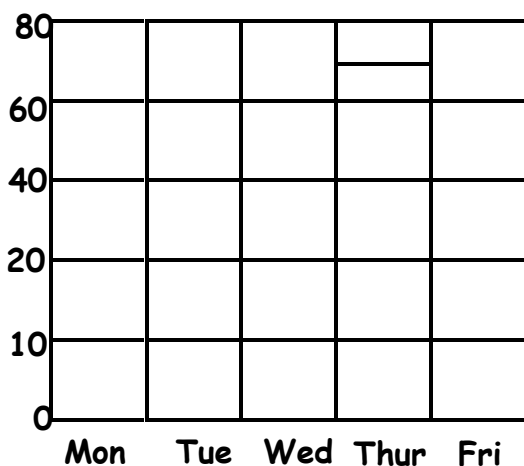


a) How many tiles were put in the room?
(4 marks)

b) If each tile costs sh13,500. How much was needed to buy the tiles? (1 mark)

30. Using a pair of compasses, a ruler and a sharp pencil only, construct a triangle PQR where $P=60^\circ$, $Q=45^\circ$ and $PQ=8\text{cm}$. (5 marks)

31. The graph below shows the number of pupils who were absent in a certain week in a P.4 class of 65 learners.



a) How many pupils were present on Wednesday? (1 mark)

b) On which day was the highest number of pupils present? (2 marks)

c) Work out the mean attendance of the class in the week. (2 marks)

32. The area of the figure below is 48cm^2 .

h 9cm

8cm

a) Find its height (3 marks)

b) Work out its perimeter. (2 marks)

End