

LITTLE MUHEJI SCHOOL
SET XXIV EXAMINATION 2020
PRIMARY SEVEN MATHEMATICS

NAME: _____

CLASS: _____ **STREAM:** _____

Section A.

1. Divide: $3 \div 6$

2. Change 8.97km to metres.

3. Write 'four hundred two thousand, five hundred seven' in figure.

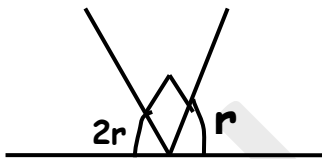
4. Solve: $\frac{3}{4}x - 2 = 10$

5. Muggaga's salary is sh.240,000, what is 60% of his salary?

6. Change 33_{five} to base two.

7. Find the L.C.M of 15 and 18.

8. Calculate the value of r .



9. Given that $a = \frac{1}{2}$, $b = \frac{1}{4}$ and $c = \frac{1}{3}$, find $\frac{a}{b} \div c$

10. Simplify; $3r + 4p - r - 5p$

11. Write **0.0109** in standard form.

12. Work out **$1000_{\text{two}} - 11_{\text{two}}$** .

13. **12** men need **5** days to build a perimeter wall. How many men can do the same work in **3** days?

14. Solve: **$2^x \div 2 = 8$**

15. There are **6315** books to be packed in **15** boxes. How many books will be packed in each box?

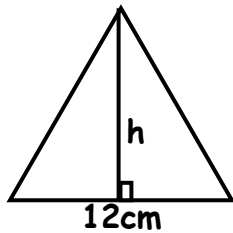
16. The ratio of girls to boys in a class is **3:5** respectively. If there are **30** boys. How many girls are in the class?

17. Work out; $3.65 - 4.92 + 2.72$

18. Find the unknown base.

$$34_{\text{five}} = 201_k.$$

19. The area of the figure below is 36cm^2 .
Find the height.



20. What number has been expanded?
 $(6 \times 10^4) + (5 \times 10^2) + (5 \times 10^0)$

SECTION B

21. Two girls Bonitah and Damalie reported at the sickbay at an interval of **40mins** and **35mins** respectively.

a) After how did the two girls report at the sick bay at the same time? (**3 marks**)

b) If the two girls reported together at the sickbay at **11:15am**. At what time will they report at the sickbay together again? (**2 marks**)

22. Multiply. (**2 marks**)

$$\begin{array}{r} 413 \\ \times 46 \\ \hline \end{array}$$

(**2 marks**)

$$\text{b) } 23 \overline{)10626}$$

c) Write **0.415** in standard form.(**2 marks**)

23.a) Given that **m=3** and **n=4**, find the value of **2m - 2n**.(**2 marks**)

b) Subtract: **(2x-3y)** from **(4y - 9y)** (**2 marks**)

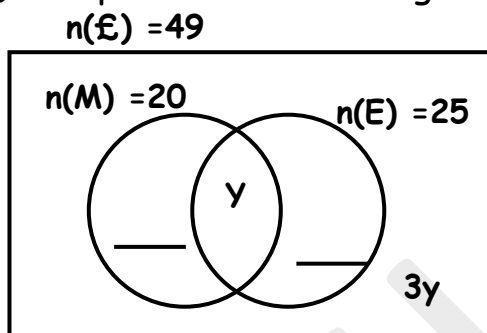
24. Subtract; (**3 marks**)

$$\begin{array}{r} 221_{\text{three}} \\ -112_{\text{three}} \\ \hline \end{array}$$

b) Today is **Monday**, what day of the week will it be after **36** days? (**2 marks**)

25. A car takes **3** hours to cover a certain journey at **60km/hr** but it takes only **2** hours to return through the same distance.
Calculate the average speed for the whole journey. (**5 marks**)

26. In a class of **49** pupils, **20** like Maths(M), **25** like English (E) and **Y** like both Maths and English, **3y** like neither of the two subjects.
a) Complete the Venn diagram. (**2 marks**)



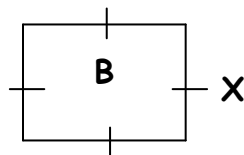
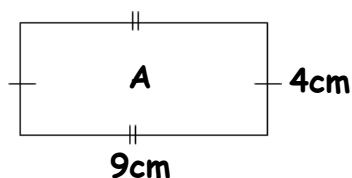
- b) Find the value of **Y**. (**2 marks**)

- c) How many pupils like neither Maths nor English? (**2 marks**)

27. Work out: a) $\frac{4.2 \times 4.8}{9.6}$ (**2 marks**)

b) $\frac{2}{3} \div \frac{4}{8} \times \frac{3}{4}$ (**2marks**)

28. The rectangle **A** and square **B** have the same area.



a) Find the value of **X**. (2 marks)

b) Work out the perimeter of the square. (2 marks)

29.a) Find the least number that gives remainder **3** when divided by either **6** or **8**. (3 marks)

b) Factorize completely $6a^2f - 3af^2$ (3marks)

30. Joanitah went shopping and bought the following items.

3kgs of meat at sh.9000 per kg. (5 marks)

5kg of rice at sh. 4000 per kg.

2 $\frac{1}{2}$ litres of milk at sh.1200 per litres.

a)Find her total expenditure.

b) If she went with a fifty thousand shilling note. How much was her change?

31. In a class, $\frac{3}{7}$ are boys and there are **40** girls in the class.

a) Find the total number of pupils in the class. (**3 marks**)

b) How many boys are in the class? (**2 marks**)

32.a) Solve for K. **$3(K + 4) - 2(K - 4) = 8$** (**3 marks**)

b) Solve: $\frac{3}{5}k - 5 = 10$ (**2 marks**)

End