

RUBANDA SOLIDARITY PRIMARY SCHOOL

NAME.....

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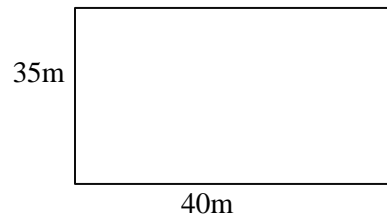
P.7 MATHEMATICS REVISION QUESTIONS.

1. The length of a road leading to Karola Junior School is 1.8km. Poles were fixed in straight lines On both sides of the road at intervals of 20metres.

a) How many poles were used altogether?

b) If the cost of each pole was sh3000, how much money did the school spend in buying the poles altogether?

2. Mr. Mukasa used poles of 0.5metres each placed at intervals of 4.5metres to his flower garden as shown in the diagram below.



a) How many poles did Mukasa use to fence his flower garden?

b) If each pole costs sh12000 and was given a 10% discount on the total of the poles, how much did he pay for the poles?

3. The range of three numbers is 90, if the middle number is 60, find the numbers if the sum of the numbers is 240.

4. The prime factors of P and Q are shown below:

P_F of P = $\{2_1, 3_1, K_1, 3_2\}$, and P_F of Q = $\{2_1, 3_1, 3_2, K_1\}$.

a) Find the value of P if the highest common factor of p and q is 78.

b) Work out the LCM of P and Q.

5. The tea which was prepared for visitors was composed of water and milk only. If there were $\frac{1}{6}$ of water and $\frac{1}{8}$ of the made tea was from milk, if there was 24 more litres of water than milk in the prepared tea, find how much tea was made for the visitors?

6. The table below shows how different types of crops are bought and sold on a certain village store. Use it to answer the questions that follow.

Types of crops	Buying	Selling
1kg of coffee	Sh3550	Sh3600
1kg of maize	Sh850	Sh870
1kg of beans	Sh1250	Sh1300

- a) One day, the storekeeper made a profit of sh39000 on beans. Find in kg the mass of beans sold.

- b) Luto had 174kg of coffee he exchanged them for maize the maize was packed in sacks which hold 142kg each, how many sacks did he get?

7. A man sells mangoes in heaps of five and eight. A heap of five mangoes costs sh500 and a heap of eight mangoes costs sh1000. He had 12 heaps of five mangoes and 14 heaps of eight mangoes
- a) How many mangoes did he have altogether?

b) How much money did he get after selling all the mangoes?

8. Alex, Billy and Sandra set off for a journey from point K to walk to point M. Alex's stride is 75cm; Billy's is 60cm while that of Sandra is 45cm. If they stepped at point M at the time, how many strides did Sandra make to reach at point M?

9. Given tap X fills a tank with water in 6 minutes and tap Q when left open fills the same tank in k minutes if the two taps are left open at the same time they fill the same tank in two minutes. Calculate the value of k .

10. $\frac{5}{8}$ of water in a tank last a school for 45 days, how long will $\frac{2}{3}$ of the water in the tank last the school?