

MATHEMATICS REVISION QUESTIONS.

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1. A lorry carrying 5,400 kg of sand offloads the sand evenly into 9 wheelbarrows. If each wheelbarrow makes 3 trips to the construction site, how many kilograms of sand are carried per trip?
2. A rectangular tank of dimensions $4\text{ m} \times 3\text{ m} \times 2\text{ m}$ is filled with water.
 - a) Find the volume of water in litres.
 - b) How many 20-litre jerrycans can be filled from it?
3. A man borrows Shs. 200,000 at 10% simple interest per year. How much will he pay back after 3 years?
4. A pupil scored 65, 72, 80, and 78 in four subjects.
 - a) What is the average mark?
 - b) If the total for five subjects must be 400 to pass, what is the minimum mark needed in the fifth subject?
5. A class of 40 pupils contributed money to raise Shs. 1,600,000 equally.
 - a) How much did each pupil contribute?

- b) If 5 pupils failed to pay, how much would each remaining pupil contribute to reach the same target?
6. A shopkeeper increased the price of sugar from Shs. 5,000 to Shs. 6,000.
- a) What was the percentage increase?
- b) If he sells 100 kg, how much extra profit does he make?
7. A compound is in the shape of a rectangle measuring 120 m by 80 m.
- a) What is its perimeter?
- b) If a fence costs Shs. 15,000 per metre, how much will fencing the compound cost?
8. An average-sized fuel tank holds 45 litres. How many such tanks are needed to store 4,860 litres of petrol?
9. A farmer harvested 2,400 kg of maize. He sold $\frac{2}{3}$ of it and stored the rest. If the selling price is Shs. 1,200 per kg:
- a) How many kilograms did he sell?
- b) How much money did he get?
10. The scale on a map is 1 cm : 2 km. If the distance between two towns on the map is 7.5 cm, what is the actual distance between them in km?
11. A trader bought 10 crates of soda. Each crate contains 24 bottles, and each bottle costs Shs. 1,200.
- a) What is the total cost?

- b) If he sells each bottle at Shs. 1,500, what profit does he make?
12. A worker earns Shs. 75,000 per day. If he works for $5\frac{1}{2}$ days a week, how much does he earn in 4 weeks?
13. A field is in the shape of a right-angled triangle with base 60 m and height 45 m.
- Find the area.
 - If 1 square metre produces 3 kg of beans, how many kilograms can be harvested?
14. A car uses 1 litre of fuel to travel 12 km. How many litres are needed to travel 360 km? If fuel costs Shs. 5,500 per litre, what is the total cost?
15. A shopkeeper marks up an item by 20% and then gives a discount of 10% to customers. If the cost price is Shs. 50,000,
- What is the marked price?
 - What is the selling price after discount?
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