Proportion and percentages

P7 Mathematics | Teacher answer key

Award one mark per correct answer. Total: 5 marks.

1. Four equal bags hold 28 kg of beans. At the same rate, what will seven bags hold?
49 kg. Each bag holds 28 ÷ 4 = 7 kg. Seven bags hold 7 × 7 = 49 kg.

2. A netball costs UGX 30,000. A shop takes off 20%. How much does the buyer pay?
UGX 24,000. A fifth of 30,000 is 6,000. Subtract the saving to get UGX 24,000.

3. A class plants 15 mango seedlings out of 60 seedlings. What percentage are mango?
25%. 15 ÷ 60 = 1/4. One quarter of 100% is 25%.

4. Two clubs share 40 pencils in the ratio 3 to 5. How many does the smaller club get?
15. There are 8 equal parts, each worth 5 pencils. The smaller share is 3 × 5 = 15.

5. A library had 80 books and gained 12. What was the percentage increase?
15%. Compare the gain with the original 80 books. 12 ÷ 80 × 100 = 15%.