

Word problems

Name _____

Date _____

Read each problem, set out the calculation or equation and write a complete answer.

- 1.** A youth club must take 18 members to a museum, where entry costs £6 per person. It may hire a minibus for £84 or buy an individual travel-and-entry package costing £11 per member. Which of these two permitted options is cheaper, and what is its total cost?

- 2.** After 35% of the water in a storage tank is used, 260 litres remain. Calculate the volume that the tank contained before any of its water was used.

- 3.** One volunteer packs 18 food parcels per hour, while another packs 24 per hour. They work together for 3.5 hours, but 12 completed parcels fail the final check. How many acceptable parcels remain ready for distribution after those are removed?

- 4.** A recipe for six breakfast portions requires 450 g of oats, sold only in 1.5 kg bags. For 54 portions, what mass of oats remains after buying the minimum whole number of bags?

- 5.** A pupil's first three test marks are 68, 75 and 70, and all four tests have equal weight. What mark is required in the fourth test to achieve an overall mean of 72?
