

Word problems

Name _____

Date _____

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

1. A student makes four bus journeys on Saturday and three on Sunday. Single journeys cost £2.40, a daily pass costs £7, and a weekend pass costs £15. Considering only seven singles, two daily passes, or one weekend pass, which option is cheapest and what does it cost?

2. After a water tank has supplied 15% of its original contents, 340 litres remain. Exactly what volume did the full tank contain before any water was used?

3. During a five-hour community collection, one team sorts 18 food parcels per hour while another sorts 12 per hour. After eight incorrectly labelled parcels are removed, how many usable parcels remain?

4. A kitchen uses 2.7 kilograms of rice to prepare 18 equal portions for a youth event. It must prepare 50 portions and has 7 kilograms available; how much additional rice is required?

5. A library's Saturday attendance was 250 visitors before rising by 20% one month and then falling by 10% the next month. What was the overall percentage change from the original attendance after both changes?
