Mixed Unit Conversion Problems

Name: _____ Date: _____

Show your working for each question. Remember to convert units where necessary.

1. Length Conversions

A rope is 3.6 metres long. It is cut into pieces that are each 45 cm long. How many pieces can be made?

Answer: _____

2. Mass Conversions

A bag contains 2.5 kg of flour. If 350 g is used for one recipe, how many grams of flour remain?

Answer: _____

3. Capacity Conversions

A water tank holds 4500 mL of water. If 2.3 L is added, what is the total capacity in litres?

Answer: _____

4. Distance Problem

Sarah runs 3.2 km on Monday, 2850 m on Wednesday, and 4.1 km on Friday. What is her total distance in kilometres?

Answer: _____

5. Shopping Problem

A recipe requires 800 g of sugar. Sugar is sold in 2 kg bags. How many grams will be left after making the recipe?

Answer: _____

6. Mixed Units

A jug contains 1.8 L of juice. If 250 mL is poured into each glass, how many full glasses can be filled?

Answer: _____

7. Comparison Problem

Box A weighs 1.45 kg and Box B weighs 1620 g. What is the difference in mass in grams?

Answer: _____

8. Multi-step Problem

A rectangular garden path is 8.5 m long and 120 cm wide. What is the perimeter of the path in metres?

Answer: _____

9. Challenge Problem

A container holds 5.6 L of water. After 875 mL is removed, then 1.2 L is added, how many millilitres of water are in the container?

Answer: _____

10. Real-world Application

A delivery truck travels 45.6 km in the morning and 38 500 m in the afternoon. What is the total distance travelled in kilometres?

Answer: _____