



Measurement & Conversion

Gold

These Gold questions require multi-step reasoning combining conversion, area, and volume.

Name: _____ Date: _____

Section A: Conversion Reasoning

1. A recipe uses 750ml of milk. How many 1.5 litre bottles are needed to make the recipe 4 times, and how much milk is left over?

2. A journey is 4.5km. If a runner has completed 2,800m, how much further do they have to run, in metres?

3. A box weighs 2.4kg. If 15 boxes are loaded onto a lorry, what is the total weight in kilograms, and in tonnes (1 tonne = 1,000kg)?

4. Convert 0.075km into centimetres.

5. A tank holds 8.5 litres. If 3,750ml is removed, how many millilitres remain?

Section B: Area & Volume Reasoning

1. A garden is made of a 10m × 6m rectangle and a 4m × 3m triangle. What is the total area?

2. A swimming pool is 25m × 10m × 2m. What is its volume in cubic metres?

3. A room needs new carpet. It is 5.5m by 4m. If carpet costs £12 per square metre, what is the total cost?

4. A cube has a volume of 125cm³. What is the length of each side?

5. A rectangular field has an area of 96m² and a length of 12m. What is its width, and what is its perimeter?