Activity 9 Assessment
Investigating Relationships Among Units

Understanding Relationships Among Metric Units

Understands some metric relationships: 1 kg = 1000 g, 1 L = 1000 mL, and 1 km = 1000 m.	Uses metric relationships to convert between units (calculates in steps).	Uses metric relationships to convert between units efficiently.	Flexibly and efficiently converts between metric units and solves problems.
1.88 kg of flour "I know that 1 kg = 1000 g, so 1.88 kg = 1000 g × 1.88 = 1880 g."	 Write the height of the basketball net, 2.60 m, in millimetres. "I multiplied by 10 three times: 2.60 × 10 = 26; 26 × 10 = 260; 260 × 10 = 2600; 2.60 m = 2600 mm."	 Write the height of the basketball net, 2.60 m, in millimetres. "To convert from metres to millimetres, I multiplied by 1000: 2.60 × 1000 = 2600; 2.60 m = 2600 mm."	Fish Tank 208 L Rewrite the measure using 3 different units. "208 × 10 = 2080; 2080 dL 208 × 1000 = 208 000; 208 000 mL 208 ÷ 1000 = 0.208; 0.208 kL I think 208 L is most reasonable as it is a unit that people can easily relate to. A number such as 208 000 mL is difficult to visualize."
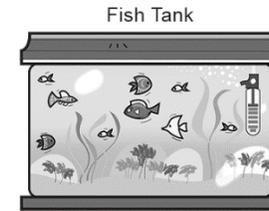
Observations/Documentation