

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.

1.88 kg of flour

"I know that 1 kg = 1000 g, so 1.88 kg = 1000 g × 1.88 = 1880 g."

Uses metric relationships to convert between units (calculates in steps).



Write the height of the basketball net, 2.60 m, in millimetres.

"I multiplied by 10 three times:
 $2.60 \times 10 = 26$; $26 \times 10 = 260$;
 $260 \times 10 = 2600$;
 $2.60 \text{ m} = 2600 \text{ mm}.$ "

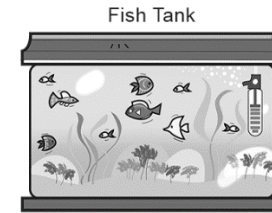
Uses metric relationships to convert between units efficiently.



Write the height of the basketball net, 2.60 m, in millimetres.

"To convert from metres to millimetres, I multiplied by 1000:
 $2.60 \times 1000 = 2600$;
 $2.60 \text{ m} = 2600 \text{ mm}.$ "

Flexibly and efficiently converts between metric units and solves problems.



208 L

Rewrite the measure using 3 different units.

" $208 \times 10 = 2080$; 2080 dL
 $208 \times 1000 = 208\ 000$; 208 000 mL
 $208 \div 1000 = 0.208$; 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