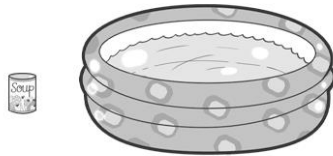


# Activity 9 Assessment

## Investigating Capacity

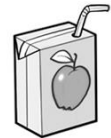
### Investigating Capacity

Identifies which metric unit should be used to measure the capacity of an object.



"I would use millilitres to measure the capacity of the can of soup and litres to measure the capacity of the swimming pool."

Uses benchmarks to estimate capacity using metric units.



200 mL

"I would estimate that it would take about 5 juice boxes to fill the jug, so the jug has a capacity of about 1 L because  $5 \times 200 \text{ mL} = 1000 \text{ mL} = 1 \text{ L}$ ."

Chooses an appropriate metric unit to estimate and measure capacity of objects and explains reasoning.



"I would use litres to measure the capacity of the sink because I know that the sink has a capacity much greater than that of a 1-L carton of milk."

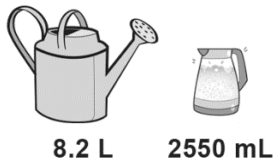
### Observations/Documentation

# Activity 9 Assessment

## Investigating Capacity

### Investigating Capacity (cont'd)

Explains the relationship between millilitres and litres and converts between units of measure.



"I know  $1000 \text{ mL} = 1 \text{ L}$  and  $8.2 \text{ L} = 1000 \text{ mL} \times 8.2$ , or  $8200 \text{ mL}$ . Since  $8200 \text{ mL} > 2550 \text{ mL}$ , the watering can has the greater capacity."

Compares and orders objects with capacities given in different units.



"I converted the capacity of the kettle to litres:  $1 \text{ L} = 1000 \text{ mL}$  and  $2550 \text{ mL} = 2550 \div 1000 = 2.55 \text{ L}$ . The order from least to greatest capacity is juice boxes, fishbowl, kettle."

Flexibly solves problems in various contexts where measures of capacity are given in different units.

How many 250 mL cups of water will it take to fill a 2.75 L jug?

"I know  $4 \times 250 \text{ mL} = 1000 \text{ mL}$ ;  $8 \times 250 \text{ mL} = 2000 \text{ mL}$ , and  $250 \text{ mL} \times 3 = 750 \text{ mL}$ ;  $2000 \text{ mL} + 750 \text{ mL} = 2750 \text{ mL}$ ;  $8 + 3 = 11$ ; It would take eleven 250 mL cups to fill the 2.75- L jug."

### Observations/Documentation