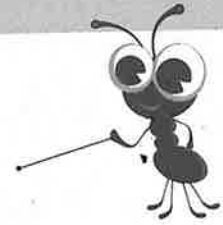


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Preserving food

Solve problems involving capacity using litres and millilitres



Some foods such as olives, onions and sliced beetroot are sold in jars. A liquid such as vinegar is then added to the jar to preserve the food.



## You will need:

- small jar with lid
- marbles
- 100 ml and 200 ml calibrated containers
- water
- funnel (optional)

### 1 Work with a partner.

- Fill the jar with marbles to represent the onions.
- Pour sufficient water into the jar to cover the marbles.
- Remember to leave a bit of space at the top of the jar.
- Find a way to measure in millimetres the amount of liquid you need to cover the contents of the jar.
- Record the steps you took to solve the problem.

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### 2 There are two jars of onions on the supermarket shelf. One jar is labelled 100 ml and the other jar is labelled 200 ml. Does the larger jar of onions need double the amount of liquid to fill the space around the onions?

- Investigate using the 100 ml and 200 ml calibrated containers, water and the marbles.
- Record the steps you took to solve the problem.

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