

a	A pool is being filled at a rate of 5000 litres per minute. How many kilolitres will the pool contain after 30 minutes?
b	How many 5-L containers can be filled from a water reservoir holding 20 kilolitres?
c	What is the difference in capacity between the community pool which holds 1 megalitre and our backyard pool which contains 90 000 litres?

13 Solve these problems.

- a 86 000 L = \_\_\_\_\_ kL
- b 4500 mL = \_\_\_\_\_ L
- c 950 000 L = \_\_\_\_\_ kL
- d 60 000 kL = \_\_\_\_\_ mL

- e 5 500 000 L = \_\_\_\_\_ mL
- f 120 000 L = \_\_\_\_\_ kL
- g 9 900 000 L = \_\_\_\_\_ mL
- h 2 000 000 mL = \_\_\_\_\_ L

12 Use a calculator to convert between units. Some conversions will involve decimals.

- a 5000 mL = \_\_\_\_\_ L
- b 9000 L = \_\_\_\_\_ kL
- c 4000 mL = \_\_\_\_\_ L
- d 60 000 L = \_\_\_\_\_ kL
- e 8000 kL = \_\_\_\_\_ mL
- f 2 000 000 L = \_\_\_\_\_ mL

11 Convert these measurement into larger units.

liquid paper	laundry bucket	coffee mug	a dam	backyard pool	large soft drink	rainwater tank
_____ millilitres	_____ millilitres	_____ millilitres	_____ millilitres	_____ millilitres	_____ millilitres	_____ millilitres
_____ litres	_____ litres	_____ litres	_____ litres	_____ litres	_____ litres	_____ litres
_____ kilolitres	_____ kilolitres	_____ kilolitres	_____ kilolitres	_____ kilolitres	_____ kilolitres	_____ kilolitres
_____ megalitres	_____ megalitres	_____ megalitres	_____ megalitres	_____ megalitres	_____ megalitres	_____ megalitres

The rainwater tank holds 3 kL.  
3000 litres = 3 kilolitres



10 Tick the box to describe the unit you would use to measure the capacity of each item.

The amount a container can hold is its **capacity**.  
The standard units of capacity are the litre (L),  
millilitre (mL), kilolitre (kL) and megalitre (ML).

- 1000 mL = 1 litre
- 1000 L = 1 kL
- 1 000 000 L = 1 ML
- 1000 kL = 1 ML

# Capacity units