

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

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

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



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

11 Convert these measurement into larger units.

- a 5000 mL = _____ L d 60000 L = _____ kL
b 9000 L = _____ kL e 8000 kL = _____ ML
c 4000 mL = _____ L f 2000000 L = _____ ML

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

- a 86000 L = _____ kL e 5500000 L = _____ ML
b 4500 mL = _____ L f 120000 L = _____ kL
c 950000 L = _____ kL g 9900000 L = _____ ML
d 60000 kL = _____ ML h 2000000 mL = _____ L

13 Solve these problems.

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?	