

Water Cycle Maths 1

Welsh Water collects water in our many reservoirs. You played the Water Cycle game when you visited our Discovery Centre and collected water in your reservoir. Can you remember how much your team collected?

Activity 1

These teams collected the following in their Water Cycle game.
Can you convert between millilitres and litres?

Try 1		Try 2		Difference in ml
Water collected in millilitres	Water collected in litres	Water collected in millilitres	Water collected in litres	
1200	1.2	1400	1.4	200
1300			1.9	
	1.5	1700		
1700		1000		
	1.0	1500		
Challenge – Can you try these?				
1250	1.25	1550	1.55	300
1750			1.95	
	1.15	1350		
1350		1850		
	1.75		2.15	
1650		1875		

We each use 150 litres of water per day. How many millilitres is this?

Washing your hands uses around 6000ml of water. How many litres is this?

A bath uses around 80 litres of water per day. How many millilitres is this?

Filling the kettle uses around 2000ml of water. How many litres is this?

Washing your dishes by hand uses around 8000ml of water. How many litres is this?

I can convert from millilitres to litres.

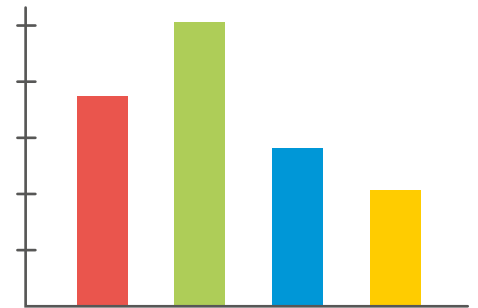
Activity 2

These teams collected the following in their Water Cycle game. Can you create a bar graph to show this?

Team 1	900 ml
Team 2	1400ml
Team 3	1200ml
Team 4	1350ml

TIPS: -

- The teams will go along the bottom. Remember each bar must be the same width.
- What will the title of your graph be?
- Add two labels to your graph. (x and y axis)
- What scale will you use? Could you go up in 100's or even 200's?



Which team collected the most water?

Which team collected the least water?

What was the difference between the two?

How many teams collected more than 1l?

How much more water did team 2 collect than team 1?

How much more water did team 4 collect than team 3?

How much did the teams collect altogether?

- I can use data in a table to draw a bar graph.
- I can use information from a graph to answer questions.