# Drip, drip, drip

You will need

A tap   Measuring cylinder   A clock

What to do

1. Set up a tap to purposely drip for 10 minutes with a measuring cylinder to collect the drips under it.

2. Look at the measuring cylinder to help you guess how much water (in litres) will be collected in 10 minutes.

3. Measure how much water has been wasted in 10 minutes.

4. Calculate how much water would be lost over one hour / a full school day/ 24 hours /one year.

5. Remember to use all the water from this session wisely. Eg watering plants, washing up.

What is your estimate of wasted water?	
Water wasted in 10 minutes =	millilitres
Water wasted in one hour =	millilitres
Convert this to litres = _____ ml / 1000 =	litres
Water wasted in 1 day = 1 hour x 24 hours in 1 day =	litres
Water wasted in 1 year = 1 day x 365 days in 1 year =	litres

What is your measurement of wasted water?	
Water wasted in 10 minutes =	millilitres
Water wasted in one hour =	millilitres
Convert this to litres = _____ ml / 1000 =	litres
Water wasted in 24 hours = _____ x _____ =	litres
Water wasted in 1 year = _____ x _____ =	litres
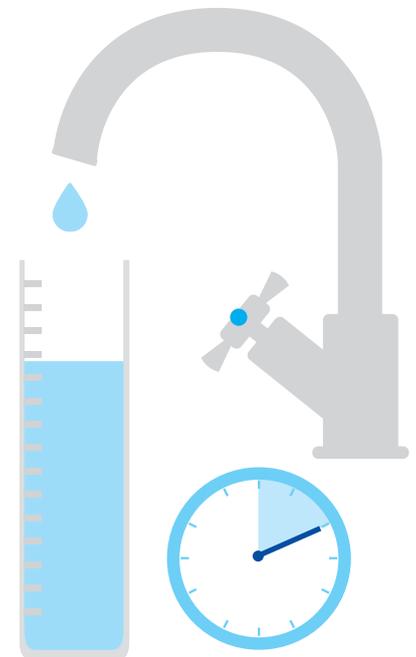
6. Compare your estimate with your measurement. Calculate the difference between them.

   Difference = _____ litres. Was your estimate close?

7. What could you do with the water wasted by one dripping tap in a year? Use the pictures to calculate how many times you could do each activity with the volume of water you measured.

Power shower
20 litres per minute

Shower
8 litres per minute

A drink
0.5 litre

A full washing machine
50 litres

Bath
80 litres

Big flush on toilet
6 litres

A full dishwasher
14 litres