



## Problem solving with water - 2

**1 litre of clean water from your tap = 0.25 pence  
(Approximately), that's 4 litres for a penny.**

- 1 A standard toilet uses 9 litres of water per flush. In one family the toilet was flushed 21 times in one day. How many litres of water would be flushed down the toilet in one week?
- 2 Look at your answer to question 1, if the toilet had a hippo bag in the cistern it would save 3 litres of water per flush. Work out how many litres of water the family would use to flush the toilet if they fitted a hippo bag.
- 3 Molly waters her garden using a watering can which holds 10 litres of water. If she uses 5 cans full of water each evening and she waters her garden for a fortnight, how much water does she use?
- 4 Ben has five showers in one week and Kyle has five baths. If the shower uses 35 litres of water and the bath uses 80 litres, work out how much water each boy uses and the difference between them.
- 5 Jac's hosepipe uses 560 litres of water an hour. If he waters his garden for 15 minutes, how many litres will he use? A watering can holds 10 litres, how many watering cans would Jac have used to do the same amount of watering?
- 6 A water meter records that a family uses 824 litres of water each day. If each person is using 206 litres of water, how many people live in the family?
- 7 Jamie's forgotten to turn his sprinkler off and has gone out for the afternoon. His sprinkler uses 600 litres of water an hour. If he turned the sprinkler on at 1pm and returned home at 5.30pm (and turned it off) how much water has the sprinkler used?
- 8 Millie walks to the water pump every day before school. It takes her an hour to get there and she always has to queue for an hour. It then takes another hour to walk home. She started doing this on her 6th birthday. Today she is 12. Work out how many hours she has spent carrying water. (Ignore leap years).
- 9 Millie's friend Mbaba is 15. She carries a 20 litre container of water from the same water pump. She collects water once a day. Work out how much water she collects in August, September and October.
- 10 1 litre of water weighs 1kg. Work out the weight of 3 baths (80 litres per bath) and 5 flushes of the toilet (9 litres per flush). If Jess weighs 30kg, how much more does the water weigh?

