

# A mile of baked beans



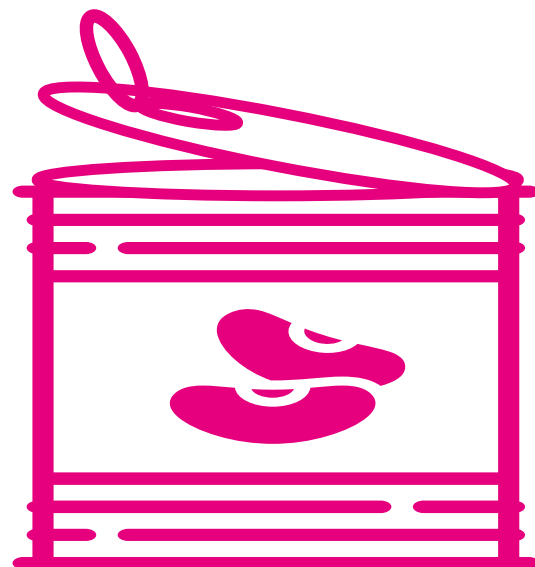
Family Maths  
Toolkit

**A small can of baked beans is about 10 cm high.**

If many cans were placed end to end, how many cans would be needed to cover a distance of 1 mile?

Can you find anything else in your home which would be fun to make a mile long 'snake' from? How many of these items would it take to make a mile?

**Helpful hints:** 1 can = 10 cm so 10 cans = 1 m and so on... 5 miles are equivalent to 8 km so 1 mile = 1.6 km and 1 km = 0.625 miles.



**Family comments:**

**Child comments:**



## Curriculum Link

Convert between miles and kilometres.

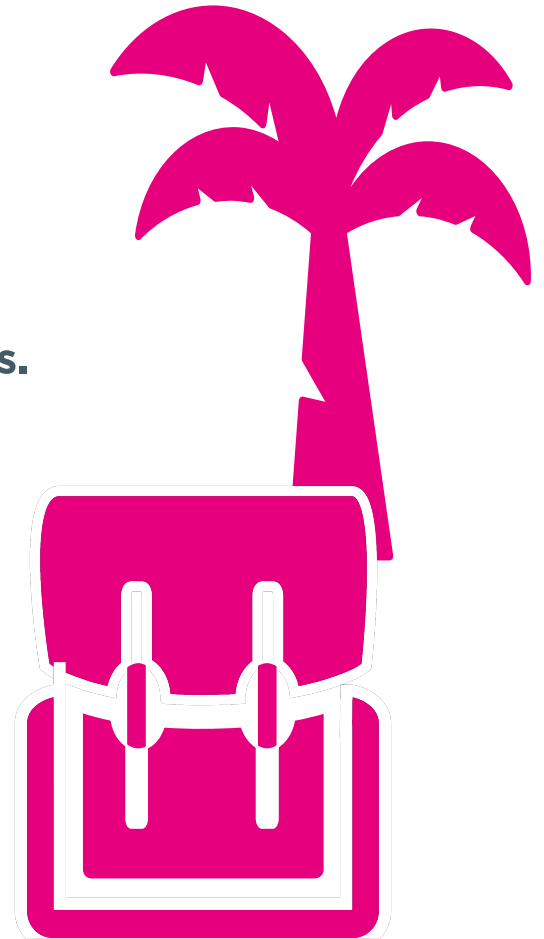
**Imagine you are an army officer or a Star Wars general, and you have to make an expedition across a desert on a secret mission.**

**You will be travelling across the desert for two days and must carry all you need on your back. Rucksacks are measured in litres. A 15 litre rucksack equals 150 kilograms.**

You must choose what you will take with you – remember you must have enough to drink in the desert so what you choose will be a mix of liquid (litres or millilitres) and food or clothes (kilograms or grams) or anything else you think you may need (such as toilet roll or equipment).

Measure things around your home to decide what to take and make a list. Remember you cannot go over 15 litres or 150 kilograms.

Real army officers often carry 65 litre rucksacks – do you think you could lift this or carry it a long distance?



**Family comments:**

**Child comments:**



### Curriculum Link

Solve problems involving the calculation and conversion of units of measure of mass and volume; identify the value of each digit in numbers up to 3 decimal places.