

# Collect and Reflect

You need: (depending on the activities chosen) 2 dice, a stopwatch, a ruler, a measuring jug, square grid paper, leaves, library books, a classmate

**ACTIVITY**

Here are some investigations that will give numeric data. Choose one that interests you, discuss with a classmate what you want to find out, and then follow this 4-step process:

1. Plan how you will carry out your investigation.
2. Collect and record data (at least 20 pieces, preferably more).
3. Explore your data set by drawing different graphs and finding the mean, the median, and the spread. What patterns and interesting features can you spot?
4. Report your findings using numbers, words, and graphs. Did you learn what you set out to learn, or did you end up learning something quite different?

i. When you roll 2 dice and add the numbers, what number do you get?



ii. How long, in seconds, can people hold a single singing note for? Or how long can people go without blinking?



iii. How long, in centimetres, is the length of a normal stride?



iv. What number is on your letterbox?



- v. What is the volume of a person's fist?  
(Immerse the fist in a jug of water and record the increase in level. Remember, 1 millilitre = 1 cubic centimetre.)



- vi. Choose a tree from your school that has large leaves. What is the area of a leaf measured in square centimetres?  
(Place the leaf on squared paper.)



- vii. How many pages long is a novel in the school library?



- viii. What is the typing speed of people in your class in words per minute?

