

Workcard

Level 4

Strand: Chance and Data Substrand: Understanding Data

There are different ways of estimating probability:

Method A Use equally likely outcomes

Method B Look back at data

Method C Carry out a survey

Method D Conduct an experiment

Think about the following situations. For each one copy the statement into your books and write down whether you would use Method A, Method B, Method C or Method D to estimate the probability. Give reasons for your choice.

1. the probability that a pupil chosen at random from your school likes the colour green.
2. the probability that I will win a raffle if I buy 10 tickets and 500 are sold.
3. the probability that a particular country will have an earthquake next year.
4. the probability that a cassette tape will last exactly 42 minutes.
5. the probability that it will rain on December 25th this year.
6. the probability that a slice of toast will, when falling off a table, land buttered side down.
7. the probability that a car in Perth will be broken into on a Saturday night.
8. the probability that a girl's name will be picked at random if 50 girls' names and 50 boys' names are put in a box.
9. the probability that a person chosen at random from a sports club is left-handed.

Reflection

Discuss your work with a neighbour or your teacher

How well did you do at this activity?

What difficulties did you have and how did you overcome them?