

# Workcard

Number

3

Level:

5

Strand: **Chance and Data**      Substrand: **Understand chance**

## Sample spaces

When working out some probabilities you need to be able to list all the possible results

Examples: What are the possibilities when flipping a coin? Answer Head Tail

What are the possible outcomes when rolling a die?

What are the possible outcomes when choosing a month at random from a calendar?

What are the possible outcomes when choosing a day of the week at random?

What are the possible sexes of a baby?

What are the possible outcomes of choosing a student out of the class at random?

## How many ways

How many different ways can three people line up in a straight line?

How many possibilities are there when flipping two coins?

How many different days of the year can a child be born?

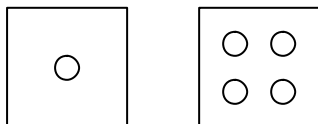
How many possible outcomes of choosing a student out of the class at random?

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## Drawing possible outcomes (some time drawing the possibilities helps try these)

Draw a picture to show all the possible results when flipping two coins

Draw a picture to show all the different possibilities that can occur when rolling two dice.



Here is one: hint there are 36?

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## Reflection

What did you do well in this activity?

What could have you improved?

What new things have you learnt?