

Mathematics

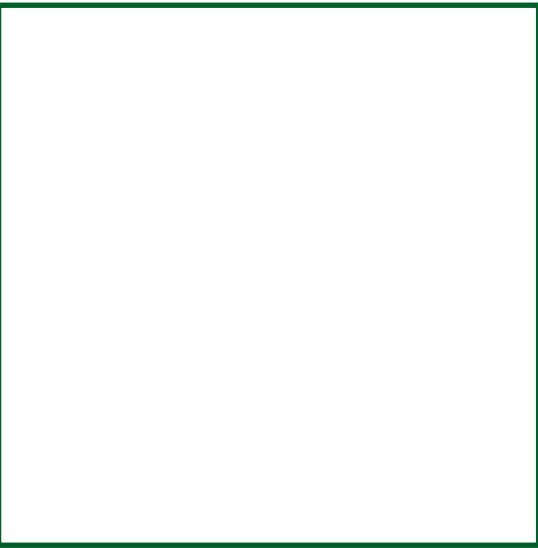
# **Combined Events and Sample Spaces 2**

## **Downloadable Resource**

Mr Langton



# Combined Events and Sample Spaces 2



1. I roll two four sided dice.

a) Complete the sample space diagram

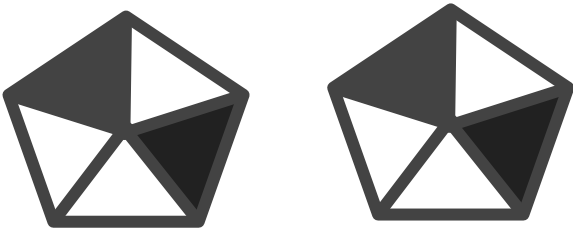
b) What is the probability that I get at least one 3?

c) What is the probability that both my numbers are even?

d) What is the probability that I get a 3 or a 4 on at least one of the dice?

|   | 1 | 2    | 3    | 4 |
|---|---|------|------|---|
| 1 |   |      | 1, 3 |   |
| 2 |   |      |      |   |
| 3 |   |      |      |   |
| 4 |   | 4, 2 |      |   |

2. I roll these two spinners.



a) Complete the sample space diagram

b) What is the probability that I get at least one black?

c) What is the probability that I get one black and one white?

d) What is the probability that the spinners are either both black or both white?

|   | B | B | W | W | W |
|---|---|---|---|---|---|
| B |   |   |   |   |   |
| B |   |   |   |   |   |
| W |   |   |   |   |   |
| W |   |   |   |   |   |
| W |   |   |   |   |   |

