

Mathematics

# Comparing Probabilities

## Downloadable Resource

Mr Langton



# Comparing Probabilities

1. Which is most likely?

- a) Flipping a coin and getting “Tails”, or rolling a six-sided dice and getting a square number?
- b) Flipping a coin and getting “Heads”, or rolling a six-sided dice and getting a factor of 24?
- c) Flipping a coin and getting “Tails”, or rolling a six-sided dice and getting an odd number?

2. Am I more likely to roll a square number on a 10-sided dice, or a multiple of 3 on a six-sided dice?

3 a) In which bag am I most likely to select a white cube?

3 b) How many green cubes do I need to add to Bag B to make the probability of selecting a white cube 0.5?

