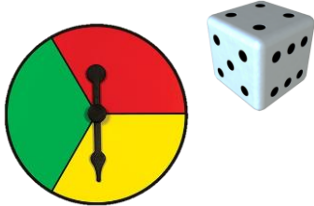
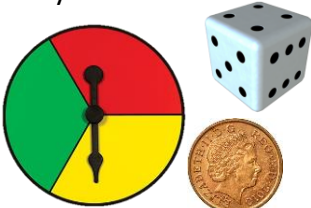
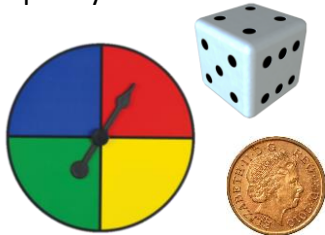


ANSWERS



Maths Focus: logical and systematic thinking: finding all possibilities.

Helpful Hints: if you record your findings systematically, you will be much less likely to miss any out

Level 1	Level 2	Level 3
<p>Simon has a spinner which has three colours and a 6-sided dice. He spins the spinner and rolls the dice.</p>  <p>The spinner lands on a colour and the dice rolls onto a number. Can you find all 18 possible combinations? Record them in an organised way.</p> <p>Y, 1 G, 1 R, 1 Y, 2 G, 2 R, 2 Y, 3 G, 3 R, 3 Y, 4 G, 4 R, 4 Y, 5 G, 5 R, 5 Y, 6 G, 6 R, 6</p>	<p>Simon has a spinner which has three colours, a 6-sided dice and a penny which has a head and tails side. He spins the spinner, rolls the dice and throws the penny.</p>  <p>The spinner lands on a colour, the dice rolls onto a number and the coin lands on heads or tails. Can you find all possible combinations? Record them in a systematic way. = 36</p> <p>TAILS, Y, 1 TAILS, G, 1 TAILS, R, 1 TAILS, Y, 2 TAILS, G, 2 TAILS, R, 2 TAILS, Y, 3 TAILS, G, 3 TAILS, R, 3 TAILS, Y, 4 TAILS, G, 4 TAILS, R, 4 TAILS, Y, 5 TAILS, G, 5 TAILS, R, 5 TAILS, Y, 6 TAILS, G, 6 TAILS, R, 6 HEADS, Y, 1 HEADS, G, 1 HEADS, R, 1 HEADS, Y, 2 HEADS, G, 2 HEADS, R, 2 HEADS, Y, 3 HEADS, G, 3 HEADS, R, 3 HEADS, Y, 4 HEADS, G, 4 HEADS, R, 4 HEADS, Y, 5 HEADS, G, 5 HEADS, R, 5 HEADS, Y, 6 HEADS, G, 6 HEADS, R, 6</p>	<p>Simon has a spinner which has four colours, a 6-sided dice and a penny which has a head and tails side. He spins the spinner, rolls the dice and throws the penny.</p>  <p>The spinner lands on a colour, the dice rolls onto a number and the coin lands on heads or tails. Can you find all possible combinations? Record them in a systematic way. = 48</p> <p>TAILS, Y, 1 TAILS, G, 1 TAILS, R, 1 TAILS, B, 1 TAILS, Y, 2 TAILS, G, 2 TAILS, R, 2 TAILS, B, 2 TAILS, Y, 3 TAILS, G, 3 TAILS, R, 3 TAILS, B, 3 TAILS, Y, 4 TAILS, G, 4 TAILS, R, 4 TAILS, B, 4 TAILS, Y, 5 TAILS, G, 5 TAILS, R, 5 TAILS, B, 5 TAILS, Y, 6 TAILS, G, 6 TAILS, R, 6 TAILS, B, 6 HEADS, Y, 1 HEADS, G, 1 HEADS, R, 1 HEADS, B, 1 HEADS, Y, 2 HEADS, G, 2 HEADS, R, 2 HEADS, B, 2 HEADS, Y, 3 HEADS, G, 3 HEADS, R, 3 HEADS, B, 3 HEADS, Y, 4 HEADS, G, 4 HEADS, R, 4 HEADS, B, 4 HEADS, Y, 5 HEADS, G, 5 HEADS, R, 5 HEADS, B, 5 HEADS, Y, 6 HEADS, G, 6 HEADS, R, 6 HEADS, B, 6</p>