# **PERCENTAGE DICE GAME**

# You will need:

a group of 2, 3 or 4 people

a die marked with 10%, 15%, 20%, 5%, 25% and 10%

some squared paper

a pencil each

* Each player has to choose a different multiple of 20: 20, 40, 60 or 80.
* Each player now draws a rectangle containing their number of squares.
* Players take it in turns to roll the die.
* The score tells you what percentage of squares you must shade in on your rectangle. *Note: you always find the percentage of the total number of squares you started off with – not the percentage of squares which are left uncoloured.*
* The winner is the first person to have shaded in all their squares.

**Think about:**

* Is this game fair?
* Does it matter if you have a large rectangle or a small rectangle to colour in. Explain your thoughts.