

Game Time

Adding up the Area

Ready

You will need:

2 number cubes
paper and pencil

Set

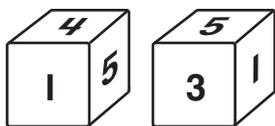
Refresh your memory:

Area of a rectangle = $length \times width$

Perimeter of a rectangle = $(2 \times length) + (2 \times width)$

Go!

- 1 Player 1 tosses the number cubes. The numbers tossed represent the length and width of a rectangle.
- 2 Calculate the perimeter and the area of the rectangle. Add the area and the perimeter together to find the score for the round. Repeat the steps with player 2.
- 3 Continue taking turns. Add the scores from each round together. The winner is the first player to reach 200.



$$\begin{array}{l}
 P = 4 + 4 + 5 + 5 = 18 \\
 A = 4 \times 5 = 20 \\
 \quad 18 \\
 \quad + 20 \\
 \hline
 \quad 38
 \end{array}$$