Statistics: Book Two, Level 4+



You need: coins or counters

ΑCTIVITY

It usually costs \$1 to get into the MathsXcite centre. But with a bit of luck, you can get in for free!



If the coin touches any line on the grid, you lose it.

If the coin lands in a space without touching a line, you keep it. Entry is free!

- 1. The first grid the organisers used had squares of this size:
 - a. Draw up a grid with 25 squares, each 4 centimetres by 4 centimetres.Drop a \$1 coin onto the grid 50 or more times.Record each outcome on a chart under the headings Win and Lose.
 - **b.** What fraction of the attempts are successful?
 - c. Explain why you think you got this result.
- 2. The staff at MathsXcite are finding that very few people get in for free using 4 centimetre by 4 centimetre squares.
 - How big should they make the squares so that about half of the people get in for free?