

# What to do...



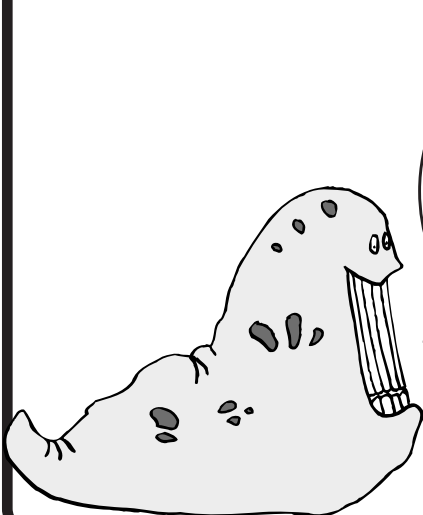
## Heads or tails

This activity helps children to explore the notion of probability and the likelihood of different events occurring. They are also investigating the binary numbers – numbers which turn out to be mathematically very important.

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Work with a partner. You will need one coin, paper and pencils.

1. Take turns to play.
2. Spin the coin. Before you do this, predict whether you think it will land heads or tails.
3. If you are correct score 2 points. Write your score down.
4. Let your partner have a go.
5. Spin the coin again, predicting first. If you are correct again (that's twice in a row!) take 4 points. If not, take none.
6. Continue taking it in turns, playing like this and scoring as follows:
  - Correct once = 2 points
  - Correct twice in a row = 4 points
  - Correct 3 times in a row = 8 points
  - Correct 4 times in a row = 16 points, etc.
7. First person to score 30 points wins!



Now I'm miles behind. I need a run of luck or else I've lost for sure!

