

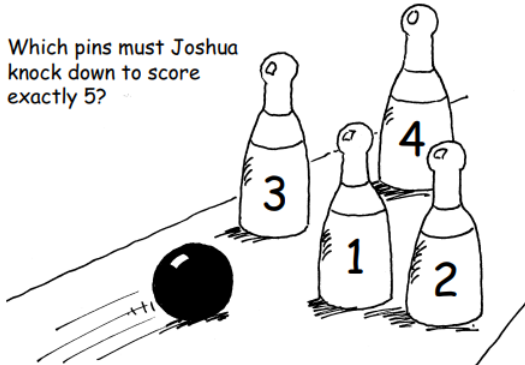
Day 2: Maths challenge

Can you complete the maths challenge? You can challenge yourself by trying a different year group's challenge.

Year 1 & 2 challenge

Four-pin bowling

Which pins must Joshua knock down to score exactly 5?




Find 2 different ways:

- to score 5
- to score 6
- to score 7

Year 3 & 4 challenge

Rows of coins



- Take five coins: 1p, 2p, 5p, 10p, 20p.
Put them in a row using these clues.
The total of the first three coins is 27p.
The total of the last three coins is 31p.
The last coin is double the value of the first coin.
- Take six coins: two 1p, two 2p and two 5p.
Put them in a row using these clues.
Between the two 1p coins there is one coin.
Between the two 2p coins there are two coins.
Between the two 5p coins there are three coins.

What if you take two 10p coins as well, and between them are four coins?

Year 5 & 6 challenge

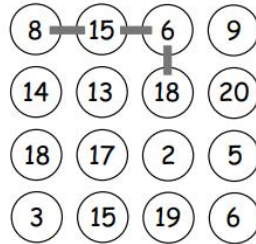
Joins

Join any four numbers.

Find their total.

Joins can go up, down or sideways, but not diagonally.

The score shown is $8 + 15 + 6 + 18 = 47$.



Find the highest possible score.

Find the lowest possible score.

Try joining five numbers.

Now try joining five numbers using only diagonal joins.

Good luck!