

Thursday 16th July

I can investigate doubling and halving numbers.

Challenge 1

Doubling Fives

This challenge is about doubling multiples of 5.

Pick a multiple of 5. Double it.

What is your answer? How many 10s is this?

Can you spot any patterns?

Can you explain the patterns?

Challenge 2

Double or Halve

This is a game for two players.

You will need a dice or you could use our interactive dice.

How to play:

Decide on a target number. This is the total that both players are trying to make.

Player 1 throws the dice. S/he can choose whether to double the number shown or halve the number shown.

Player 2 throws the dice. In the same way, s/he can choose whether to double the number shown or halve the number shown. Player 2 adds his/her number onto Player 1's number to make a running total.

Play continues like this with each player rolling the dice, halving or doubling the number and adding the result onto the running total.

The winner is the player who reaches the agreed target exactly.

Here are some questions to think about:

Must each player always take a turn?

Does it matter if you go first or second?

Are there any particularly good numbers to choose as your target?