2,4,6,8

Age 5 to 7

Use these cards to make calculations with their answers,

2 4 6 8 + − =

Like this one:

2 + 6 = 8

In each calculation you must only use a card once, but of course you can re-use them in your next calculation if you want to.

Can you find a way to use all the cards in one calculation?

Can you find all the possible ways to use the cards?

Double or Halve?

This is a game for two players.

You will need a 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?