

# Finding the mean



Calculate and interpret the mean as an average of a set of data

**Challenge 1**

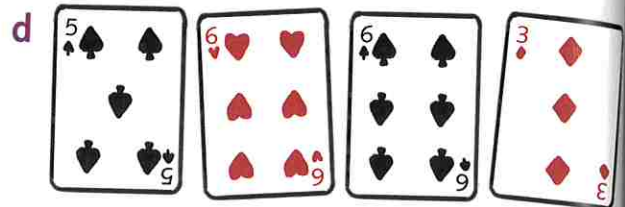
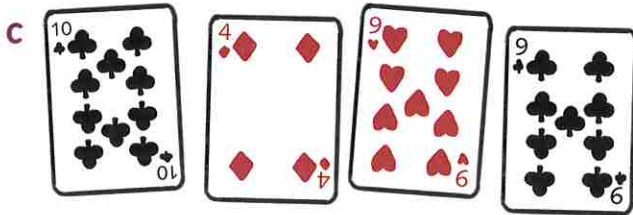
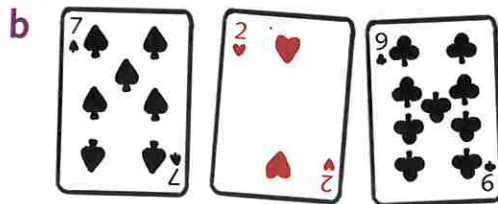
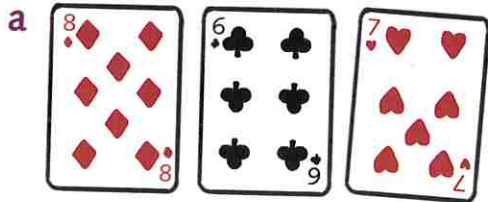
Find the mean value of each set of cards.

**Example**

$$5 + 9 + 4 = 18$$

$$18 \div 3 = 6$$

Mean = 6



**Challenge 2**

1 Find the mean of each set of numbers.

**a** 4    8    12    16

**b** 3    9    15    21

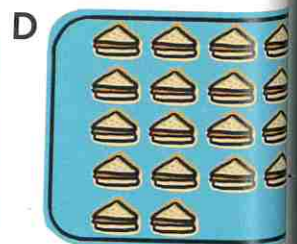
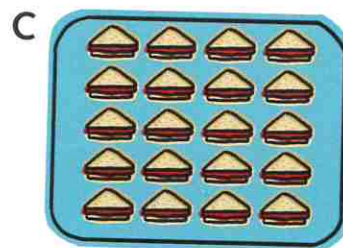
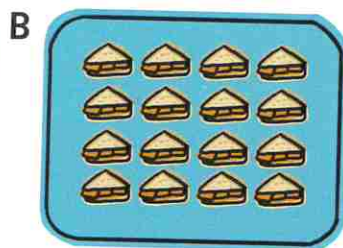
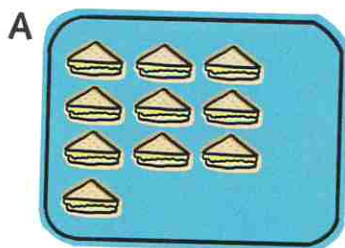
**c** 5    15    25    35

**d** 9    11    17    23

2 Four trays of sandwiches have been prepared for lunch.

**a** How many sandwiches are on each tray?

**b** Calculate the mean number of sandwiches per tray.



3 The table below shows the number of goals scored in six games by players in the school's netball team.

- Find the mean number of goals scored by each player.
- Find the mean number of goals scored per game.



Player	Number of goals					
	Game 1	Game 2	Game 3	Game 4	Game 5	Game 6
Donna	2	1	2	3	3	1
Leah	4	3	5	1	3	2
Maria	3	5	4	2	0	4
Tanya	3	6	1	3	3	5

4 The table shows the distance run by each athlete in five training sessions. Calculate the mean distance run by each athlete in one training session.

Athlete	Distance (km)
Marek	45
Jonny	32.5
Jordan	37
Simon	41.5

The height of a pony is measured in hands. The table shows the height in hands of Jack, Jenny, Julie and Jingle. The mean height of the five ponies is 13 hands. What height is Joyce in hands?

Pony	Hands
Jack	15
Jenny	11
Julie	12
Jingle	13
Joyce	

