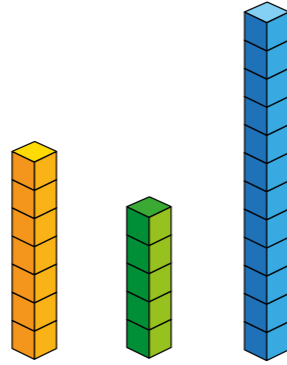


Solve problems involving the mean

1 Brett, Kim and Nijah have made some towers of cubes.

What is the mean number of cubes?

mean = cubes



2 Find the mean of each set of numbers.

a) 6, 8, 2, 1, 6, 8, 4

b) 14, 9, 10, 8, 2, 0, 7, 2

mean =

mean =

3 Find the mean weight of the parcels.



mean = kg

4 Find the mean attendance of the last 4 football matches.

Game	1	2	3	4
Attendance	12,360	10,900	6,480	15,410

mean =

What do you think the units are for attendance?

5 Filip, Esther, Scott and Dani all have some cubes.

Filip has 4 cubes.

Esther has 9 cubes.

Scott has 5 cubes.

The mean number of cubes is 5

How many cubes must Dani have?

Dani has cubes.

6 Find the missing number in each of the sets.

Write your answer on the blank card.

a) 4 2 5

mean = 3

b) 3.3 1.2 4.5 6.2

mean = 3.7



7 The temperatures at noon on the first 5 days of the week are:

19°C 23°C 24°C 16°C 14°C

a) Work out the mean temperature for the first 5 days.

On the next day, the temperature at noon is 15°C.

b) Predict whether the mean for all 6 days will be higher or lower than your answer for part a). _____

Explain your prediction.

c) Work out the mean average for the first 6 days.

8 The mean number of visitors to the zoo per week for the first 5 weeks of summer is 3,480

In the 6th week, 4,000 visitors go to the zoo.

Will the mean increase or decrease? _____

Explain to a partner how you know.

9 a) Write a set of 5 numbers with a mean of 12

b) Write a set of 4 different numbers with a mean of 4.2

c) Write a set of 3 different numbers with a mean of 8 and a range of 10

Compare answers with a partner.

What strategies did you use?

10 The table shows the ages of 10 children at a bowling alley.

Age	Frequency
11	1
12	2
13	3
14	4

a) Use the table to write a list of all the children's ages.

b) Calculate the mean age of the children at the bowling alley.

How can you find the mean without writing the list?