The mean

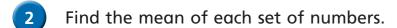**1** Scott has 2 counters. ● ●

Dani has 7 counters. ● ● ● ● ● ● ●

Kim has 3 counters. ● ● ●

Share the counters evenly in order to find the mean number of counters.

The mean number of counters is ☐

2 Find the mean of each set of numbers.

a) | 3 | 2 | 7 | 4 | 4 |

☐

b) | 12 | 8 | 15 | 11 | 6 | 2 |

☐

c) | 5 | 2 | 2 | 9 | 7 | 5 | 6 | 5 | 3 | 7 |

☐

3 Huan collects football cards.

The table shows how many he collected over four years.

Year	Number of cards
2016	56
2017	104
2018	81
2019	103

Work out the mean number of cards collected per year.

☐

4 a) The mean of four numbers is 9

What is the total of the four numbers?

☐

b) Write an example of what the four numbers could be if none of them are 9

☐ ☐ ☐ ☐

Compare answers with a partner.

How many different solutions can you find?

5 The table shows how many pets a number of children have.

One value is missing.

Name	Number of pets
Brett	4
Nijah	0
Rosie	1
Teddy	2
Esther	
Tom	7

The mean number of pets is 3

How many pets does Esther have?

6 Six numbers are written on cards.

The mean of the numbers is 12

Fill in the two missing numbers if one is double the other.

13		4	16	6	

7 A basketball team played four games.

The mean number of points was 45

a) How many points did they score in total in the four games?

b) After the fifth game, the mean increased to 50

How many points did they score in the fifth game?

8 A group of children have a mean height of 1.4 m.

Another child joins the group.

a) What will happen to the mean if the child is 1.5 m tall?

_____

_____

b) What will happen to the mean if the child is 1.4 m tall?

_____

_____

c) What will happen to the mean if the child is 1.3 m tall?

_____

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