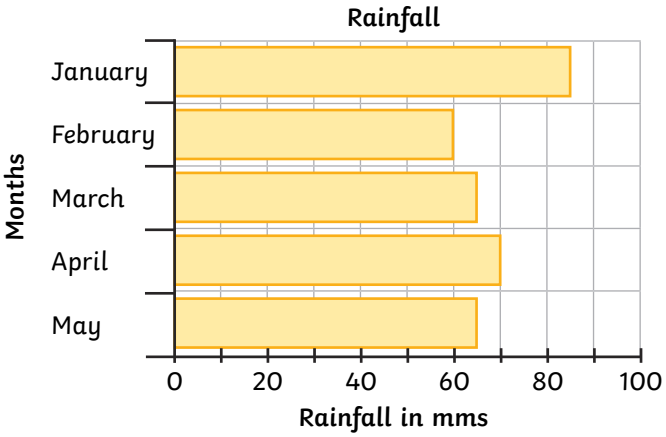
1) These pictures show the number of goals each child scored in a football tournament.

Find the mean number of goals scored.

mean = sum of numbers in the set ÷ the number of values that make up the set

2) A year 6 class measured the average monthly rainfall outside their school for the first 5 months of the year.



Calculate the mean rainfall for the 5 months.

3) Each week, Jacob, Emily and Adil record their scores in their spelling test of 20 words.

Find the mean score for each child over the 6 weeks.

	Jacob	Emily	Adil
Week 1	13	18	19
Week 2	20	20	18
Week 3	16	17	20
Week 4	17	18	15
Week 5	10	15	7
Week 6	14	20	17
Mean Score			

Jacob: _____

Emily: _____

Adil: _____

1) Three groups of children decide to measure their heights.

mean = sum of numbers in the set ÷ the number of values that make up the set

Name	Height
Evie	124cm
Tarj	140cm
Heather	126cm

Group A

Name	Height
Marvin	129cm
Alisha	128cm
Aisha	133cm
Rupinder	134cm

Group B

Name	Height
Jack	130cm
Maisie	134cm
Sami	132cm
Alicia	128cm
Harvey	136cm

Group C

Explain whether each of the statements below is true or false, giving reasons.

a) The group containing the tallest child has the shortest mean height.

b) The group with the most children has the shortest mean height.

c) If a child measuring 142cm joined group A, this group would now have the tallest mean height.

2) This table shows the time taken, in seconds, to run each lap of a running race.

	Lap 1	Lap 2	Lap 3
Ola	64	62	69
Henry	69	74	73
Usman	61	59	54
Jessica	63	58	62

Decide if you agree or disagree with each of the following statements, giving reasons.

a) Ola's mean lap time was 4 seconds slower than Jessica's.

b) All of the runners had a mean lap time that was greater than a minute.

c) When added together, Henry and Usman had a faster mean lap time than Jessica and Ola.

mean = sum of numbers in the set ÷ the number of values that make up the set	sum of the numbers in the set = mean × the number of values that make up the set

1) This table shows the distances thrown, in metres, during the discus event at an athletics competition.

Complete the table by finding the missing values.

	Ava	Brody	Chen
Throw 1	8.4	8	11.2
Throw 2	7.9	7.1	9.4
Throw 3	10.4	6.2	8.3
Throw 4	8.6	7	6.1
Throw 5	6.6	8.8	9.6
Throw 6	9.1	**b)** _____	**c)** _____
Mean Average Distance Thrown	**a)** _____	7.5	9

2) Three children decide to measure their heights and find the mean.

If the mean height is 141cm, which three of the children could have been measuring themselves? Find all the possibilities.

3) These children all take a spelling test of 15 words every week for four weeks. They score one point for every correct answer. They each have the same mean score.

What possible scores could each child have had in order to get a mean score of 10? Can you find more than one solution for each child?