



1) $3 + 2 + 5 + 6 = 16$

$16 \div 4 = 4$

The mean number of goals scored was 4.

2) $85 + 60 + 65 + 70 + 65 = 345$

$345 \div 5 = 69$

The mean rainfall for the 5 months was 69mm.

3) Jacob: $90 \div 6 = 15$

Emily: $108 \div 6 = 18$

Adil: $96 \div 6 = 16$

	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	15	18	16

- 1) a) False – group A contains the tallest child (140cm) but the group's mean height of 130cm is the shortest.
- b) False – group C has the most children but the tallest mean height of 132cm.
- c) True – group A would now have a mean height of 133cm, which is 1cm taller than group C's and 2cm taller than group B's.
- 2) a) True – Ola's mean lap time was 65 seconds and Jessica's was 61 seconds. This means that Ola's time was 4 seconds slower.
- b) False – Usman's mean lap time was 58 seconds, which is less than one minute.
- c) False – when added together, Henry and Usman had a mean lap time of 65 seconds whereas Jessica and Ola had a mean lap time of 63 seconds. Jessica and Ola's mean time was therefore 2 seconds faster than Henry and Usman's.





1) Missing values are given in the table.

	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) 7.9	c) 9.4
Mean Average Distance Thrown	a) 8.5	7.5	9

2) There are two possibilities:

Morgan, Aleena and Oscar;

Olivia, Felix and Aleena.

3) There are various possibilities. Accept sets of four numbers which have a total of 40, for example:

9, 11, 7 and 13;

12, 8, 15 and 5;

6, 14, 10 and 10.