For each set of data find:

a) the total of the values
b) the number of items in the set
c) the mean.

1 The number of tries scored by a rugby team in each of their first nine games.

2 4 1 7 1 3 2 6 1

2 The weight of five packets of cheese.

220 g 260 g 210 g 220 g 240 g

3 The speed in miles per hour of seven cars.

65 55 40 50 55 75 45

4 The number of minutes taken by a barber to cut the hair of eleven customers.
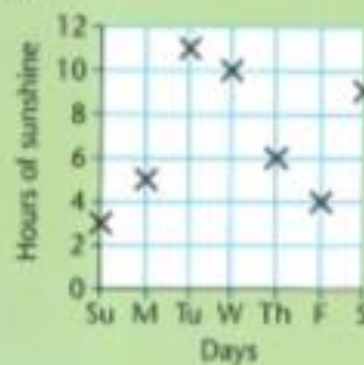
10 12 11 13 7 12
13 6 14 10 13

5 The marks of ten children in their weekly spelling tests.

7 10 9 10 6
8 10 6 9 10

6 The number of hours of sunshine each day in one week.

1 The opening batsman in a cricket team scored the highest number of runs in his team's innings. The other ten batsmen made the following scores.

1 35 17 0 15 40 0 8 1 0

The mean score for the eleven batsmen was 20. Find the opening batsman's score.
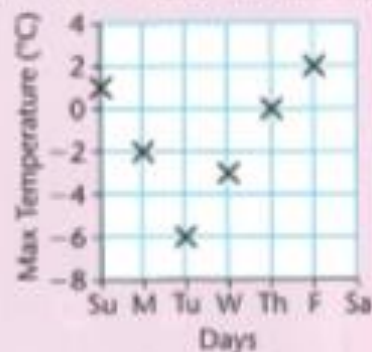
2 The first 12 customers at a booking office each bought the following number of cinema tickets.

2 1 3 16 1 4
1 5 4 1 7 2

After the 13th customer the mean number of tickets for each customer was 4. Find the number of tickets bought by the 13th customer.

3 The daily maximum temperatures recorded for six days in January.

When the temperature on Saturday was included the mean temperature for the week was −1°C. Find the Saturday temperature.

Investigating friction, Chloe let a marble roll down a ramp onto different surfaces to see how far it would roll. These are her results.

Test Number	Distance rolled on		
	Carpet	Wood	Plastic
1	1·5 m	4·7 m	3·3 m
2	1·3 m	4·5 m	?
3	1·1 m	5·0 m	2·9 m
4	1·7 m	4·3 m	3·5 m
5	1·4 m	4·8 m	3·1 m

1 Find the mean distance the marble rolled on:

    a) carpet   b) wood.

2 The mean distance rolled on plastic was 3·24 m. Find the missing result.

3 The monthly rainfall recorded in millimetres in one year in Jerusalem.

J	F	M	A	M	J	J	A	S	O	N	D
100	110	80	20	10	0	0	0	0	10	60	?

Including the missing December total, the mean rainfall for each month was 40 mm. Find the rainfall for December.

4 Louis rolled a dice 100 times. The table shows his scores.

Score	1	2	3	4	5	6
Frequency	14	20	18	15	16	17

Find the mean score.

ANSWERS

1. a) 27　　　　b) 9　　　　c) 3
2. a) 1150g　　b) 5　　　　c) 230g
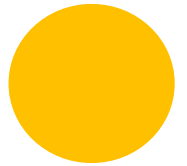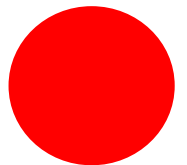3. a) 385mph　b) 7　　　　c) 55mph
4. a) 121　　　b) 11　　　c) 11
5. a) 49　　　　b) 7　　　　c) 7

1. 103
2. 5
3 1℃

1. a) 1.4m　　b) 4.66m
2. 3.4m
3. 90mm
4. 3.5