

Mean from a Frequency Table



1

The table shows the number of pets for 20 people. Work out the mean number of pets.

Number of pets	Frequency	Frequency $\times$ value
0	5	$5 \times 0 = 0$
1	8	$8 \times 1 = 8$
2	4	
3	3	
Total	20	



Answer _____

2

The table shows the goals scored for 20 people. Work out the mean goals scored.

Goals scored	Frequency	Frequency $\times$ value
0	3	$3 \times 0 = 0$
1	6	
2	5	
3	4	
4	2	
Total	20	

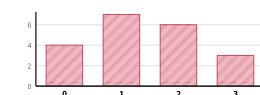


Answer _____

3

The table shows the number of siblings for 20 people. Work out the mean number of siblings.

Number of siblings	Frequency	Frequency $\times$ value
0	4	$4 \times 0 = 0$
1	7	
2	6	
3	3	
Total	20	

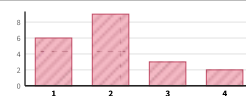


Answer _____

4

The table shows the books read for 20 people. Work out the mean books read.

Books read	Frequency	Frequency $\times$ value
1	6	$6 \times 1 = 6$
2	9	
3	3	
4	2	
Total	20	



Answer _____

5

The table shows the cars at home for 25 people. Work out the mean cars at home.

Cars at home	Frequency	
0	2	
1	10	
2	6	
3	7	
Total	25	

Answer _____

6

The table shows the dice score for 20 people. Work out the mean dice score.

Dice score	Frequency	
1	4	
2	3	
3	5	
4	2	
5	3	
6	3	
Total	20	

Answer _____

7

A frequency table has a total frequency of 20. The $f \times x$ column adds up to 56. Work out the mean.

Answer _____

8

The mean of 25 scores is 3.2. What is the total of all the scores?

Answer _____

Mean from a Frequency Table *further practice*



9

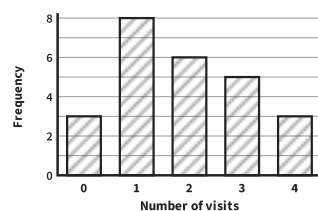
The table shows the number of people in 30 cars passing a school gate. Work out the mean number of people in a car.

People	Frequency	
1	14	
2	9	
3	4	
4	2	
5	1	
Total	30	

Answer _____

10

The bar chart shows how many times 25 students used the library last week. Work out the mean.



Answer _____

11

40 students said how many pieces of fruit they ate yesterday. One frequency is missing. Work out the mean.

Fruit	Frequency	
0	4	
1	10	
2	14	
3		
4	4	
Total	40	

Mean _____

12

A swimming pool sells tickets at three prices. The table shows the tickets sold one morning. Work out the mean price of a ticket, to the nearest penny.

Price	Frequency	
£4	15	
£6	18	
£9	7	
Total	40	

Answer _____

13

The shoe sizes of 15 people are 6, 7, 5, 8, 7, 6, 7, 9, 5, 7, 8, 6, 7, 8, 6. Complete the frequency table and work out the mean shoe size.

Size	Frequency	
5		
6		
7		
8		
9		
Total		

Answer _____

14

The table shows the goals scored by two teams in 20 matches each. Which team scored more goals per match on average? Show how you know.

Goals	Team A	Team B
0	4	5
1	7	5
2	6	5
3	3	5
Total	20	20
Mean		

Answer _____

15

The table shows the number of texts Sam sent each day for 19 days. On the 20th day she sent 12 texts. Work out her mean for all 20 days.

Texts	Frequency	
0	3	
1	5	
2	6	
3	3	
4	2	
Total	19	

Answer _____

16

Leah says the mean of this table is $(1 + 2 + 3 + 4) \div 4 = 2.5$. Explain her mistake and work out the correct mean.

Value	Frequency	
1	9	
2	6	
3	3	
4	2	
Total	20	

Mean _____