

The Mean

Your Turn:

Calculate the mean average for each data set.

1. 3, 4, 5, 6, 7, 8, 9, 10, 13

2. 11, 12, 13, 15, 18, 20

3. 5, 4, 1, 9, 8

4. 11, 21, 5, 9

Worded Problems

1. Here are some results from a science experiment.

2.5, 3.1, 2.7, 5.0, 3.1, 2.6, 5.8, 3.6

Calculate the mean average result.

2. The times below (in minutes) were spent playing on a games console. Calculate the mean average time. Give your answer in minutes and seconds.

52, 28, 90, 32, 40

3. Carrie and Kelsey play darts. Their scores for the last 6 rounds are recorded. Who has the higher mean average score? Round your answers to one decimal place.

Carrie: 100, 50, 25, 57, 41, 80

Kelsey: 53, 100, 20, 80, 40, 62



4. Jerri has 4 number cards:

5, 8, 3 and x

The mean average of the cards is 5. What is the value of x ?



The Mean

Your Turn:

Calculate the mean average for each data set.

1. 3, 4, 5, 6, 7, 8, 9, 10, 13

$$65 \div 9 = 7.2 \text{ (to 1d.p.)}$$

2. 11, 12, 13, 15, 18, 20

$$89 \div 6 = 14.8 \text{ (to 1d.p.)}$$

3. 5, 4, 1, 9, 8

$$27 \div 5 = 5.4$$

4. 11, 21, 5, 9

$$46 \div 4 = 11.5$$

Worded Problems

1. Here are some results from a science experiment.

2.5, 3.1, 2.7, 5.0, 3.1, 2.6, 5.8, 3.6

Calculate the mean average result.

$$\frac{28.4}{8} = 3.55$$

2. The times below (in minutes) were spent playing on a games console. Calculate the mean average time. Give your answer in minutes and seconds.

52, 28, 90, 32, 40

$$\frac{242}{5} = 48.4$$

$$0.4 \times 60 = 24$$

48 minutes and 24 seconds.

3. Carrie and Kelsey play darts. Their scores for the last 6 rounds are recorded. Who has the higher mean average score? Round your answers to one decimal place.

Carrie: 100, 50, 25, 57, 41, 80

Kelsey: 53, 100, 20, 80, 40, 62

$$\text{Carrie: } \frac{353}{6} = 58.8$$

$$\text{Kelsey: } \frac{355}{6} = 59.2$$

Kelsey has a higher mean score.



4. Jerri has 4 number cards:

5, 8, 3 and x

The mean average of the cards is 5. What is the value of x ?

$$5 + 8 + 3 = 16$$

$$5 \times 4 = 20$$

$$20 - 16 = 4$$

$$x = 4$$

