

## 92 Worksheet - Answers

Find the mean. Show all your work.

1.  $84 + 89 + 99 + 78 + 67 + 98 + 100 + 71 + 88 =$

$$774 \div 9 =$$

86

2.  $234 + 201 + 311 + 189 + 404 + 255 + 276 + 333 =$

$$2203 \div 8 =$$

275.375

3.  $0.34 + 0.27 + 0.11 + 0.45 + 0.32 + 0.29 + 0.32 =$

$$2.1 \div 7 =$$

0.3

4.  $62.0 + 62.8 + 62.1 + 62.8 + 62.2 + 62.3 + 62.4 + 62.8 =$

$$499.4 \div 8 =$$

62.425

5. The body temperatures (in degrees Fahrenheit) of some students are shown.

a. Which data value is an outlier?

Explain. 103.5 bc it is 4° greater than any of the other temperatures

b. Find the mean with and without the outlier. Then describe how the outlier affects the mean.

The outlier increases the mean, so 98.6° is a better representation of the data.

With outlier

$$\frac{98.8 + 97.7 + 103.5 + 98.5 + 99.1 + 98.1 + 99.4}{7} = 99.3^\circ$$

99.3°



Without outlier

$$\frac{98.8 + 97.7 + 98.5 + 99.1 + 98.1 + 99.4}{6} = 98.6^\circ$$

98.6°

6. The table shows the monthly rainfall at a measuring station. What is the mean monthly rainfall?

Month	Rainfall (inches)	Month	Rainfall (inches)
Jan	2.22	Jul	3.27
Feb	1.51	Aug	5.40
Mar	1.86	Sep	5.45
Apr	2.06	Oct	4.34
May	3.48	Nov	2.94
Jun	4.57	Dec	2.14

$$= 38.94 \div 12 = 3.245 \text{ inches}$$