

Practice 2-1

Finding the Mean

Find the mean of each data set.

1. 4, 5, 7, 5, 6, 3 _____
2. 72, 76, 73, 74, 75 _____
3. 85, 91, 76, 85, 93 _____
4. 2.1, 3.2, 1.6, 2.4 _____

For each set of data, identify any outliers. Then determine the effect that the outlier has on the mean.

5. 64, 65, 62, 69, 59, 23, 61, 67

6. 8.1, 8.3, 7.8, 7.9, 8.4, 6.8, 8.0

7. 1230, 1225, 1228, 1232, 1233, 1321, 1229, 1231

8. 18.66, 18.75, 18.69, 18.67, 18.99, 18.64, 18.73

Use the table for Exercises 9–11.

Name	Hourly Wage
Julia	\$8.75
Ron	\$7.50
Miguel	\$25.00
Natasha	\$11.00
Robert	\$10.50

9. Whose wage is an outlier in the data set?

10. Find the mean hourly wage with and without the outlier.

11. What effect does the outlier have on the mean?

Fill in the blanks to find the mean of each data set.

12. 4, 6, 2, 8, 5: $\frac{25}{\square} = \square$
13. 10, 4, 2, 12, 6, 8: $\frac{\square}{6} = \square$

Puzzle 2-1

Finding the Mean

Circle the mystery numbers in the box that satisfy the mean described.

1. The two mystery numbers have a mean of 5.

2	5	4	3	6	1
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2. The smallest of the three mystery numbers is 75. The mean of the numbers is 100.

100	125	75	200	50	25	30
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3. Four numbers have a mean of 80. Circle the four mystery numbers.

70	91	78	85	77	95	61
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4. Which four mystery numbers have a mean of 50?

40	50	25	35	95	60	55
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5. Which two mystery numbers have a mean of 25?

34	17	37	32	22	13
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