Mean and Mode

1. Find the mean of each data set.

a. 2.5, 3.1, 4.2, 1.7

b. -4, 3, 1, -2, 6

c. 0, -1.2, 3.8, 2.4

d. -5, -7, -3, -4, -6

e. 10.2, 8.6, 11.4

f. -2.5, 0, 2.5, 5

2. Solve for the unknown value x if the mean is given.

a. The mean of 4 numbers is 6. Three of the numbers are 4, 7, and 8. Find the remaining value.

b. The mean of 5 numbers is 2. Four of the numbers are -1, 3, 4, and 1. Find the remaining value.

c. The mean of 3 numbers is 5. Two of the numbers are x and 7. The third number is 3. Find x.

d. The mean of 6 numbers is 4.5. Five of the numbers are 3.2, 4.1, 5, 6.8, and 2.9. Find the remaining value.

e. The mean of 4 numbers is -3. Three of the numbers are -4, -2, and x. The fourth is -6. Find x.

f. The mean of 5 numbers is 1.2. Four of the numbers are 0.5, 1.1, 2, and -0.3. Find the remaining value.

g. The mean of 3 numbers is 2. If one of them is x and the others are both 3.5, find x.

h. The mean of 6 numbers is 0. If five of the numbers are -3, -1, 2, 0, and 4, find the remaining value.

3. Solve for the unknown.

a. The average score from five maths tests is 78. Four test scores were 85, 72, 76, and 80. What was the fifth score?

b. After five people split the cost of dinner equally, each paid $18.60. Four of the payments were $20, $17, $19, and $18. How much did the fifth person pay?

c. The mean temperature across 4 days was 14.5°C. The temperatures on three of the days were 12°C, 16°C, and 15°C. What was the temperature on the fourth day?

d. A class recorded an average of -1.2 points on a penalty-based quiz. Four students scored -2, 0, -3, and 1. What did the fifth student score?