## Computations involving the mean, sample size, and sum of a data set: Worksheet 8.2

Na	ne Score
1.	The average of four numbers is 12. If three of those numbers are 7, 9 and 15, find the last number.
2.	The mean of a, b and c is 26. The sum of a and twice the value of c is 28. What is a + 2b equal to?
3.	7 consecutive even integer have an average of 52. Find the average of the greatest two of those integers.
4.	5 consecutive integers have an average of 123. What's the average of the first three of those integers?

- 5. The average height of students in a school is 5 foot 6 inches. If the 200 girls at the school average 5 foot 4 inches, what is the average height of the 180 boys at the school?
- 6. After a game involving m players, n is the sum of all the points scored by every player in the game. Write an expression for the average number of points scored by a player in the game?
- 7. The average of 4 consecutive even integers is 15. Find the average of the first two of those integers.
- 8. The average of 15, 17 and 19 is 10 more than the average of 5 and what number?
- 9. Sally went to the gym for x hours on Tuesday, for twice as many hours on Wednesday, and for thrice as many hours on Thursday, Write an expression for the average number of hours Sally spent in the gym over the three days?
- 10. 5 consecutive odd integers have an average of 131. What's the average of the first three of those integers?



## Solutions: Worksheet 8.2

- 1. 17
- 2. 24
- 3. 57
- 4. 122
- 5. 5 foot 8 inches
- 6. n/m
- 7. 13
- 8. 9
- 9. (x + 2x + 3x)/3
- 10. 129