

Wisdom Lane Middle School  
Name: \_\_\_\_\_  
Teacher: Mr. Tomeo

# Homework #16

Date: \_\_\_\_\_  
Period: \_\_\_\_\_

## Linear Equations Mixed– Word Problems

Write an equation that will describe each problem. Solve the equation you obtain to answer the question.

1. 28 less than 5 times a number is 32. Find the number.	6. Fifteen more than 3 times a number is the same as 9 less than 6 times the number. Find the number.
2. The perimeter of a rectangle is 44. The length is 5 less than the width. Find the dimensions.	7. When 18 is subtracted from 6 times a number the result is -42. Find the number.
3. 11 less than 7 times a number is 5 more than 6 times the number. Find the number.	8. When 5 is added to three more than a certain number the result is 19. What is the number?
4. A number plus itself plus twice itself plus 4 times itself equals 104. Find the number.	9. <b>Distributive Property</b> 6 times the sum of a number and 3 is 48. Find the number.
5. <b>Distributive Property</b> 5 less than a number times 4 is 44. Find the number.	10. <b>Distributive Property</b> 5 times the sum of a number and 9 is decreased by 4. This amount equals 51. Find the number.