

## Word Problems; 2V

1. Read the problem to determine what you are looking for
  2. Reread the problem, label those and call one  $x$ , the other  $y$
  3. Re-read the problem and write an equation in 2 variables
  4. Reread the problem and write a second equation in two variables
  5. Solve the system
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1. The sum of two numbers is 114 and their difference is 58, find the two numbers.
  2. The difference of two numbers is 17 and their sum is 33, what are the two numbers?
  3. One number is four times another number, the sum of the numbers is 140. Find the numbers.
  4. The sum of two numbers is 24. One is 6 less than twice the other. Find the two numbers.
  5. A bowl contained 13 red and brown M&M's. There was one more red M&M's than brown M&M's. How many of each color are in the bowl?
  6. Six times a larger number exceeds two times the smaller number by 156. The difference of the numbers is 18, find the two numbers.
  7. Separate 600 into two parts so that 25% of the larger added to 12.5% of the smaller is 135, find the two numbers.
  8. The length of a rectangle is 4cm longer than the width. The perimeter is 80 cm. Find the length and the width.
  9. The length of a rectangle is equal to triple the width. Which system of equations can be used to find the dimensions of the rectangle if the perimeter is 86 centimeters?
  10. The perimeter of a rectangular wooden deck is 90 feet. The deck's length,  $l$ , is 5 feet less than 4 times its width,  $w$ . Find the length and width.