

## Solving Equations: Word Problems

(Simplify as best as you can)

**Step 1: Read the problem.** Underline the numbers and the words that are important to the problem. Write down what you know and what you need to find.

**Step 2: Write an equation.** Let  $x$  be the unknown number. Write an equation that represents the problem.

**Step 3: Solve the equation.** Use the properties of equality to solve the equation.

**Step 4: Check your solution.** Substitute your solution back into the original equation to see if it works.

**Step 5: Write the answer.** Write the answer in a complete sentence.

**Example 1:** Solve the problem.

1. A number plus 5 is 12.	2. A number minus 3 is 7.	3. A number times 4 is 20.
4. A number divided by 2 is 6.	5. A number plus 8 is 15.	6. A number minus 10 is 2.
7. A number times 3 is 18.	8. A number divided by 5 is 4.	9. A number plus 12 is 25.
10. A number minus 7 is 14.	11. A number times 6 is 30.	12. A number divided by 3 is 9.
13. A number plus 9 is 22.	14. A number minus 4 is 11.	15. A number times 2 is 16.
16. A number divided by 4 is 8.	17. A number plus 6 is 19.	18. A number minus 11 is 3.

