

SECTION C1: WRITING EQUATIONS FOR APPLICATION PROBLEMS

Addition

Subtraction

Multiplication

Division

Write and solve an equation for each verbal statement.

1. Six less than twice a number is the number increased by five.

2. Three times the sum of a number and four is the same as eighteen.

3. The sum of a number and six divided by five is seven.

Problems Dealing with Rate of Change

$$y = \frac{\text{chan}}{\text{time}}x + \underline{\text{where they start at}}$$

4. A car rental company charges \$0.25 per mile and \$25 per day. Write an equation that represents your total cost for renting a car for one day.