
Linear Equations and Inequalities

1. The sum of 45 and three times a number is 60. Find the number.

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

2. The sum of 2 consecutive integers is less than 100. Find the pair of integers with the greatest sum.

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

3. A rectangle is 10 inches wider than it is long. The perimeter is 48 inches. Find the length & width of the rectangle.

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

4. The length of a rectangle is 5 cm less than the width and the perimeter of the rectangle is at least 80. What are the smallest possible dimensions for the rectangle?

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

5. Find 4 consecutive integers whose sum is 230.

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

6. Find 3 consecutive *odd* integers whose sum is 117.

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

7. Sarah is twice as old as Ben and Ben is 2 years older than Mike. The sum of their ages is 26. How old is each?

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?

8. There are 6 tests this semester. You made a 83 and a 94 on the first two tests. What does your average score need to be on the last 4 tests to have an overall average of 90?

a. Define the variable(s).

b. Equation

c. Solve

d. Answer the ?