

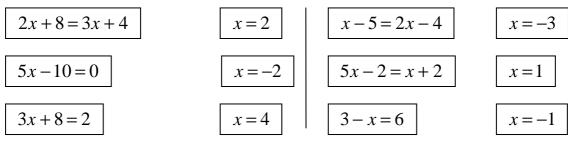
Name:	Date:
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1. Listening:

Equations

An equation is an (1) stating the equality of equality exists only when certain (3) are assigned equation $2x + 3 = x + 5$ is (5) only when $x = 2$.	* *
On each (6) of the equal sign in an equation there expression). The addends that comprise the expressions are c (9) The values for which the equation is true are	called (8) The letters are called
2x+3 = x+5 FIRST EXPRESSION	$x = 2 \text{ is the solution because}$ $2 \cdot 2 + 3 = 2 + 5$

2. Match each equation with its solution:



Problems

Remember to follow these steps:

- 1. Label the unknowns. 2. Set up the equation. 3. Solve the equation. 4. Find the value for the unknowns. 5. Check
- 3. Find two consecutive integers whose sum is 45.
- Find three consecutive even integers whose sum is 72. 4.
- Find two consecutive even integers such that the sum of the larger and twice the smaller is 62. 5.
- 6. Seven times a number is equal to 12 more than 3 times the number. Find the number.
- 7. The second of two numbers is 4 times the first. Their sum is 50. Find the numbers.
- 8. The perimeter of a rectangle is 24 inches. Find the dimensions if its length is 3 inches greater than its
- 9. The perimeter of a triangle is 51 centimeters. The lengths of its sides are consecutive odd integers. Find the lengths of all three sides.
- 10. Eighteen substrated from a number equals 31. Find the number.
- What number decreased by 77 equals -18? 11.
- There are 31 people in a café. How many men and how many women are in the café if there are 5 more men than women?