

Solving Linear Equations

Year 7 · Algebra · y7-alg-solve-linear

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Solve: $x + 7 = 15$.

2. Find the solution to: $4x = 20$.

3. Work out the answer to: $3x + 4 = 19$.

4. Solve: $2x - 5 = 9$.

5. A number is doubled, then 6 is added, giving 20. Write this as an equation and find the number.

6. Whatever you do to one side of an equation, you must do to the other. Solve: $x - 9 = 4$.

7. To undo addition, subtract; to undo multiplication, divide. Solve: $x + 5 = 3$.

8. When you move a term across the equals sign, its sign flips. Solve: $3x = x + 8$.

Challenge

1. Solve: $5x + 3 = 2x + 18$.

2. A number is tripled and then 7 is subtracted. The result is the same as adding 5 to the number. Find the number.
