Five equations. Your move.

Find x in each equation. Show your move, then check it by putting your answer back in the original equation.



Original character art by the creator

ONE-STEP EQUATIONS

Solve + check ▢ × 5

1 $x + 7 = 12$

My move: _____ x = _____

2 $x - 6 = -2$

My move: _____ x = _____

3 $4x = -20$

My move: _____ x = _____

4 $x \div 3 = 6$

My move: _____ x = _____

5 $x + 9 = 2$

My move: _____ x = _____

Keep both sides equal.

Undo the operation by doing the opposite to both sides. 4x means 4 × x. A negative answer is allowed.

Try first. Answers are on a separate page.

Earn your first character in the real game

Play a free five-question round online. Solve every question, using hints and retries when needed, to earn the first character.

Scan to play

imathgine.brainer.one/play

Start without email · Ages 13+

Progress stays in the same browser; clearing site data deletes it.

Check your moves.

Read the move, then substitute the answer for x to check. If your answer differs, find the operation or sign that changed.

ONE-STEP EQUATIONS

1 $x + 7 = 12$ → $x = 5$

Subtract 7 from both sides.

$x + 7 - 7 = 12 - 7$

Check: $5 + 7 = 12$

2 $x - 6 = -2$ → $x = 4$

Add 6 to both sides.

$x - 6 + 6 = -2 + 6$

Check: $4 - 6 = -2$

3 $4x = -20$ → $x = -5$

Divide both sides by 4.

$4x \div 4 = -20 \div 4$

Check: $4 \times (-5) = -20$

4 $x \div 3 = 6$ → $x = 18$

Multiply both sides by 3.

$(x \div 3) \times 3 = 6 \times 3$

Check: $18 \div 3 = 6$

5 $x + 9 = 2$ → $x = -7$

Subtract 9 from both sides.

$x + 9 - 9 = 2 - 9$

Check: $(-7) + 9 = 2$

Watch the sign in #5.

2 − 9 = −7, not 7. Check: −7 + 9 = 2. Parentheses make a negative number clear in multiplication.

Ready for your own round?

This sample does not save progress or award characters. Play the real free game to earn character rewards.

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