Solving Equations

Grades 6-8 | 10 one-step + 10 two-step equations coolmathgame.co.uk

Name: _____ Date: _____

Solve for x. Do the same thing to both sides. For two-step equations, undo the addition or subtraction first, then the multiplication. Check by putting your answer back in.

One-step equations

1. x - 10 = 2 x = _____
2. x / 8 = 3 x = _____
3. x - 4 = 4 x = _____
4. x - 3 = 5 x = _____
5. 6x = 90 x = _____
6. x - 8 = 3 x = _____
7. 10x = 90 x = _____
8. x + 10 = 13 x = _____
9. 4x = 40 x = _____
10. x - 2 = 2 x = _____

Two-step equations

11. 8x + 4 = 12 x = _____
12. 3x + 18 = 3 x = _____
13. 6x + 7 = -17 x = _____
14. 5x - 10 = -25 x = _____
15. 5x + 11 = 21 x = _____
16. 3x - 16 = -1 x = _____
17. 2x + 12 = 26 x = _____
18. 5x - 15 = -30 x = _____
19. 3x - 2 = -17 x = _____
20. 3x + 11 = 44 x = _____

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Solving Equations - Answer Key

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Solve for x. Do the same thing to both sides. For two-step equations, undo the addition or subtraction first, then the multiplication. Check by putting your answer back in.

One-step equations

1.	x - 10 = 2	**x = 12**	2.	x / 8 = 3	**x = 24**
3.	x - 4 = 4	**x = 8**	4.	x - 3 = 5	**x = 8**
5.	6x = 90	**x = 15**	6.	x - 8 = 3	**x = 11**
7.	10x = 90	**x = 9**	8.	x + 10 = 13	**x = 3**
9.	4x = 40	**x = 10**	10.	x - 2 = 2	**x = 4**

Two-step equations

11.	8x + 4 = 12	**x = 1**	12.	3x + 18 = 3	**x = -5**
13.	6x + 7 = -17	**x = -4**	14.	5x - 10 = -25	**x = -3**
15.	5x + 11 = 21	**x = 2**	16.	3x - 16 = -1	**x = 5**
17.	2x + 12 = 26	**x = 7**	18.	5x - 15 = -30	**x = -3**
19.	3x - 2 = -17	**x = -5**	20.	3x + 11 = 44	**x = 11**

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