



**THIRD SPACE
LEARNING**

One Step Equations Worksheet

Algebra

Grades 6 to 8

Skill Questions

Name:

Date:

1 Solve the equation.

$$4x = 20$$

Answer

2 Solve the equation.

$$y + 8 = 14$$

Answer

3 Solve the equation.

$$a - 10 = 26$$

Answer

4 Solve the equation.

$$5 + b = 9$$

Answer

5 Solve the equation.

$$3c = 15$$

Answer

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6 Solve the equation.

$$x \times 7 = 7$$

Answer

7 Solve the equation.

$$-y = 10$$

Answer

8 Solve the equation.

$$33 = 11a$$

Answer

9 Solve the equation.

$$3 = 8 + b$$

Answer

10 Solve the equation.

$$c \times 2 = 18$$

Answer

Applied Questions

- 11** Olivia earns \$15 per hour for babysitting. If she worked for 7 hours, how much money did she earn?

Answer

- 12** A bakery sells cookies for \$2 each. If Lisa bought n cookies and paid \$14 in total, how many cookies did she buy?

Answer

- 13** The cost of admission to a museum is \$10 per person. If a family of 4 went to the museum, how much did they spend in total?

Answer

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- 14** Emily has saved \$80 for a shopping spree. If she plans to spend no more than \$15 on each item, how many items can she buy?

Answer

-
- 15** A car rental agency charges \$25 per day for renting a car. If Jessica has a budget of \$165, how many days can she afford to rent a car?

Answer

Answers

Question number	Question	Answers	Standard
1	Solve the equation. $4x = 20$	$x = 5$	6.EE.B.6
2	Solve the equation. $y + 8 = 14$	$y = 6$	6.EE.B.6
3	Solve the equation. $a - 10 = 26$	$a = 36$	6.EE.B.6
4	Solve the equation. $5 + b = 9$	$b = 4$	6.EE.B.6
5	Solve the equation. $3c = 15$	$c = 5$	6.EE.B.6
6	Solve the equation. $x \times 7 = 7$	$x = 1$	6.EE.B.7
7	Solve the equation. $-y = 10$	$y = -10$	6.EE.B.7
8	Solve the equation. $33 = 11a$	$a = 3$	6.EE.B.6
9	Solve the equation. $3 = 8 + b$	$b = -5$	6.EE.B.6
10	Solve the equation. $c \times 2 = 18$	$c = 9$	6.EE.B.7
11	Olivia earns \$15 per hour for babysitting. If she worked for 7 hours, how much money did she earn?	$x = 7$, so Olivia earned \$105.	6.EE.B.6

One Step Equations | Grades 6 to 8 | Answers




Question number	Question	Answers	Standard
12	A bakery sells cookies for \$2 each. If Lisa bought n cookies and paid \$14 in total, how many cookies did she buy?	$n = 7$, so Lisa bought 7 cookies.	6.EE.B.6
13	The cost of admission to a museum is \$10 per person. If a family of 4 went to the museum, how much did they spend in total?	$x = 4$, so the family spent \$40.	6.EE.B.6
14	Emily has saved \$80 for a shopping spree. If she plans to spend no more than \$15 on each item, how many items can she buy?	$x < 5\frac{1}{3}$, so Emily can buy up to 5 items.	6.EE.B.7
15	A car rental agency charges \$25 per day for renting a car. If Jessica has a budget of \$165, how many days can she afford to rent a car?	$x < 6.6$, so Jessica can afford to rent a car for up to 6 days.	6.EE.B.7

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