One-step equations

Name _____ Date _____

Solve. Undo the + or −.

Common Core 6.EE.B.7

Example x + 13 = 31
1. Undo + 13: take 13 from both sides.
2. x = 31 − 13 = 18. Check: 18 + 13 = 31.

Answer: x = 18

1. m + 40 = 58 m = ____
2. b + 27 = 66 b = ____
3. b + 34 = 77 b = ____
4. m − 23 = 4 m = ____
5. n − 13 = 38 n = ____
6. n − 39 = 13 n = ____

Solve. Undo the × or ÷.

Example 7x = 63
1. 7x means 7 × x. Undo × 7: divide both sides by 7.
2. x = 63 ÷ 7 = 9. Check: 7 × 9 = 63.

Answer: x = 9

7. 3p = 132 p = ____
8. 8n = 376 n = ____
9. 6x = 96 x = ____
10. a ÷ 3 = 3 a = ____
11. b ÷ 8 = 4 b = ____
12. n ÷ 2 = 11 n = ____

Free to share with other families. Not for resale.

Inequalities & rules

Name _____ Date _____

Write Yes or No.

Common Core 6.EE.B.5, 6.EE.C.9

Example $x \le 5$. Is 6 a solution?
1. $x \le 5$ means x is 5 or less.
2. 6 is more than 5, so it is not a solution.

Answer: No

1. $p < 15$. Is 14 a solution? ☐

2. $p > 18$. Is 15 a solution? ☐

3. $a \le 14$. Is 18 a solution? ☐

4. $n \le 17$. Is 16 a solution? ☐

Write the rule that links y to x.

Example x: 1, 2, 3 y: 7, 8, 9
1. Compare each y with its x: every y is 6 more than x.
2. Check every column: 1 + 6 = 7, 2 + 6 = 8, 3 + 6 = 9.

Answer: y = x + 6

5.

x	2	7	8	11
y	4	14	16	22

y = ☐

6.

x	1	6	11	12
y	16	36	56	60

y = ☐

7.

x	4	5	7	10
y	34	41	55	76

y = ☐

8.

x	4	5	8	9
y	14	15	18	19

y = ☐

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Answers

Answers are in the same order as the boxes.

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1. 18
2. 39
3. 43
4. 27
5. 51
6. 52
7. 44
8. 47
9. 16
10. 9
11. 32
12. 22

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1. Yes
2. No
3. No
4. Yes
5. 2x
6. 4x + 12
7. 7x + 6
8. x + 10

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