

Chapter 3 — Solving One-Step Equations

Worksheet A: Guided Practice

Name: _____ Grade: _____ Date: _____

1. A number increased by 15 is 23. Write and solve an equation.

Let n represent the number.

2. Solve: $5m=35$

Divide both sides by 5.

3. Solve: $n \div 4 = 7$

Multiply both sides by 4.

4. Four times a number is 52. Write and solve an equation.

Let n represent the number.

5. Solve: $-3p=18$

Divide by the complete coefficient.

6. Solve: $q \div (-6)=5$

Multiply both sides by -6.

7. Solve: $a+(-8)=11$

Add 8 to both sides.

8. A temperature drops by 11°C and reaches 6°C . Write and solve an equation for the starting temperature.

Let T represent the starting temperature.

9. Solve: $x+6=14$

Subtract 6 from both sides.

10. Solve: $y-9=4$

Add 9 to both sides.

11. Solve: $-7d=-49$

Divide by -7.

12. Solve and check: $x \div (-5) = -6$

Multiply by -5, not 5.

13. Solve: $b - (-4) = 10$

Rewrite subtraction of a negative as addition.

14. Solve: $(-c) \div 3 = 9$

Multiply both sides by 3, then interpret $-c$.

15. A total amount is shared equally among 8 people. Each person receives \$12. Write and solve an equation for the total amount.

Let a represent the total amount.
