

Name _____ Period _____ Date _____



Solving Equations

Solve, using inverse operations. Show your work.

Example: $x + 6 = 15$

$$x + 6 - 6 = 15 - 6$$
$$x = 9$$

Example: $m - 7 = 20$

$$m - 7 + 7 = 20 + 7$$
$$m = 27$$

Example: $5x = 45$

$$\frac{5x}{5} = \frac{45}{5}$$
$$x = 9$$

Example: $\frac{k}{3} = 20$

$$3 \cdot \frac{k}{3} = 20 \cdot 3$$
$$k = 60$$

1. $x + 5 = 9$

2. $y - 3 = 8$

3. $2m = 16$

4. $n \div 7 = 3$

5. $15 + k = 25$

6. $z - 14 = 30$

7. $6y = 48$

8. $\frac{p}{9} = 8$

9. $v + 30 = 97$

10. $j - 40 = 33$

11. $5m = 65$

12. $\frac{q}{7} = 11$

13. $x - 100 = 278$

14. $y + 99 = 201$

15. $\frac{s}{10} = 26$

16. $12d = 144$

*17. $4 - m = 1$

*18. $15 - x = 9$

*19. $100 - s = 65$