

# Properties of Equality

**P 1-14**

1. You know  $16 + 4 = 20$ . Does  $16 + 4 - 4 = 20 - 4$ ? Why or why not?

---

---

Explain how to get the variable alone in each equation.

2.  $\frac{f}{25} = 3$

---

3.  $54 + t = 132$

---

4.  $m - 8 = 24$

---

5.  $7t = 70$

---

6.  $42 = 6v$

---

7.  $\frac{y}{20} = 70$

---

8. **Reasoning** Explain why multiplication gets the variable alone in  $a \div 32 = 2$ .

---

---

---

---

## Test Prep

9. How would you get the variable alone in the following equation:  $g \div 9 = 7$ ?
- A. multiply both sides of the equation by 9
  - B. multiply both sides of the equation by 7
  - C. divide both sides of the equation by 9
  - D. divide both sides of the equation by 7
10. **Writing in Math** To get the variable alone, Ranier added 29 to both sides of  $b + 18 = 29$ . Was he correct? Explain.

---

---