



1-4 Practice

Properties

Name the property shown by each statement.

- $55 + 6 = 6 + 55$
- $6 \cdot 7 = 7 \cdot 6$
- $(x + 3) + y = x + (3 + y)$
- $1 \cdot mp = mp$
- $9 + (5 + 35) = (9 + 5) + 35$
- $67 + 0 = 67$
- $7x \cdot 0 = 0$
- $4(3 \cdot z) = (4 \cdot 3)z$

Find each sum or product mentally.

- $18 + 17 + 22$
- $60 \cdot 4 \cdot 2$
- $2 \cdot 157 \cdot 5$
- $12 + 15 + 8 + 5$
- $49 \cdot 0 \cdot 16$
- $14 + 25 + 16$

ALGEBRA Simplify each expression.

- $(m + 11) + 19$
 - $19 + (v + 8)$
 - $8s \cdot 0$
 - $(9 \cdot b) \cdot 10$
 - $(28 + 12) + x$
 - $4 \cdot (r \cdot 5)$
21. **GEOMETRY** The volume of a box is given by $V = \ell \cdot w \cdot h$ where ℓ = length, w = width, and h = height. Find the volume of a box if length is 25 cm, width is 13 cm, and height is 4 cm.
22. **SCHOOL** In math class each assignment is worth 20 points. David got 17, 20, 19, and 13 points on his last four assignments. How many points did David score altogether?
23. *True or false:* Multiplying any number by one produces the original number. Explain.