1-3 Practice
Properties of Numbers

Evaluate each expression. Name the property used in each step.

1. $2 + 6(9 - 3^2) - 2$

2. $5(14 - 39 \div 3) + 4 \cdot \frac{1}{4}$

Evaluate each expression using properties of numbers. Name the property used in each step.

3. $13 + 23 + 12 + 7$

4. $6 \cdot 0.7 \cdot 5$

5. SALES Althea paid $5.00 each for two bracelets and later sold each for $15.00. She paid $8.00 each for three bracelets and sold each of them for $9.00.

  a. Write an expression that represents the profit Althea made.

  b. Evaluate the expression. Name the property used in each step.

6. SCHOOL SUPPLIES Kristen purchased two binders that cost $1.25 each, two binders that cost $4.75 each, two packages of paper that cost $1.50 per package, four blue pens that cost $1.15 each, and four pencils that cost $0.35 each.

  a. Write an expression to represent the total cost of supplies before tax.

  b. What was the total cost of supplies before tax?