

# Lesson 2 Reteach

## Words and Expressions

A **numerical expression** contains a combination of numbers and operations such as addition, subtraction, multiplication, and division. Verbal phrases can be translated into numerical expressions by replacing words with operations and numbers.

+	−	×	÷
plus	minus	times	divide
the sum of	the difference of	the product of	the quotient of
increased by	decreased by	of	divided by
more than	less than		among

**Example 1** Write a numerical expression for the verbal phrase.

the product of seventeen and three

Phrase                      the **product** of seventeen and three

Expression                 $17 \times 3$

Evaluate, or find the numerical value of, expressions with more than one operation by following the **order of operations**.

**Step 1** Evaluate the expressions inside grouping symbols.

**Step 2** Multiply and/or divide from left to right.

**Step 3** Add and/or subtract from left to right.

**Example 2** Evaluate the expression.

$$4(3 + 6) + 2 \cdot 11$$

$$\begin{aligned} 4(3 + 6) + 2 \cdot 11 &= 4(9) + 2 \cdot 11 && \text{Evaluate } (3 + 6). \\ &= 36 + 22 && \text{Multiply 4 and 9, and 2 and 11.} \\ &= 58 && \text{Add 36 and 22.} \end{aligned}$$

## Exercises

Write a numerical expression for each verbal phrase.

- eleven less than twenty
- the product of seven and twelve
- the quotient of forty and eight
- sixteen more than fifty-four
- the sum of thirteen and eighteen
- three times seventeen

Evaluate each expression.

- $7 + 7 \cdot 3$
- $26 - 4 + 9$
- $10 \div 5 \cdot 3$
- $2(6 + 2) - 4 \cdot 3$
- $5(6 + 1) - 3 \cdot 3$
- $2[(13 - 4) + 2(2)]$
- $3[(2 + 7) \div 9] - 3$
- $(8 \cdot 7) \div 14 - 1$
- $\frac{4(18)}{2(9)}$