Simplifying Expressions

essions

Reteaching

8-3

When an expression contains more than one operation, **parentheses ()** can be used to show which computation should be done. Parentheses are one type of **grouping symbol**.

Do the computation inside the parentheses first.

Evaluate
$$(2 + 8) \times 3$$
.
 $10 \times 3 = 30$
Evaluate $2 + (8 \times 3)$.
 $2 + 24 = 26$

Some expressions contain more than one set of parentheses.

Do the computation inside each pair of parentheses first.

Evaluate
$$(4 + 9) - (30 \div 5)$$
.
13 - 6 = 7

After you solve the computations inside the parentheses, use the order of operations to choose which computation to solve next:

Exponents

Name

Multiplication and division from left to right

Addition and subtraction from left to right

1. (16 + 4) ÷ 10	2. (16 ÷ 4) + (10 - 3)	3. $8^2 \div (2 \times 4)$
4. 27 − (5 × 3)	5. (4 × 6) ÷ 6 + 6	6. (36 ÷ 6) × 2 ²

7. Evaluate $11 \times (8 - n)$ for n = 4.