

Vocabulary Check



1. **Be Precise** Define *powers*. Provide an example of power with an exponent of 2. (Lesson 1)

Numbers expressed using exponents are called powers

Sample answer: 13^2 .

2. Fill in the blank in the sentence below with the correct term. (Lesson 2)

The **order of operations** tells you which operation to perform first so that everyone finds the same value for an expression.

Skills Check and Problem Solving

Write each power as a product of the same factor. Then find the value. (Lesson 1)

3. $7^2 = 7 \times 7; 49$

4. $5^5 = 5 \times 5 \times 5 \times 5 \times 5; 3,125$

Evaluate each expression if $x = 6$. (Lesson 3)

5. $x + 11$ 17

6. $4(x - 5)$ 4

7. $2x \div 6$ 2

8. **CCSS Reason Abstractly** Tia is 8 years younger than her sister Annette. Annette is y years old. Write an algebraic expression that describes Tia's age. (Lesson 4)

$y - 8$

9. **CCSS Reason Abstractly** The prices per pound of different types of nuts are shown. Write an expression that can be used to find the total cost of 2 pounds of peanuts, 3 pounds of cashews, and 1 pound of almonds, all for 20% off. (Lesson 2)

$0.80(2 \times 3.95 + 3 \times 4.25 + 5.99)$

NUTS!

Peanuts	\$3.95
Cashews	\$4.25
Almonds	\$5.99

