

Name _____ Date _____



Skills Maintenance

Common Sense Properties

Activity 1

Give three examples of each of the properties.

Model

Give three examples of the Commutative Property for Addition.

General Statement $a + b = b + a$

$3 + 1 = 1 + 3$ $\frac{1}{3} + \frac{2}{3} = \frac{2}{3} + \frac{1}{3}$ $2.75 + 0.25 = 0.25 + 2.75$

1. Give three examples of the Additive Inverse Property.

General Statement: $n + -n = 0$

2. Give three examples of the Associative Property for Multiplication.

General Statement: $a \cdot (b \cdot c) = (a \cdot b) \cdot c$

Finding The Volume

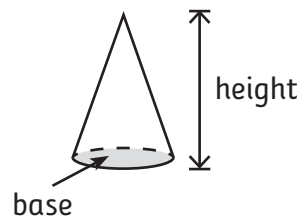
Activity 2

Find the volume of the cone and pyramid.

1. This cone has a Base of 10 cm^2 and a height of 7 cm.

Volume = $\frac{1}{3}$ Base \cdot height

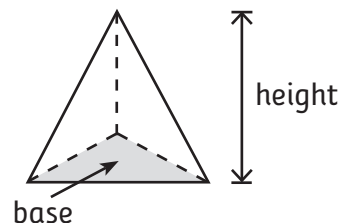
What is the cone's volume? _____



2. This pyramid has a Base of 5 cm^2 and a height of 8 cm.

Volume = $\frac{1}{3}$ Base \cdot height

What is the pyramid's volume? _____



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 **Apply Skills**
Distributive Property

Activity 1

Use the distributive property to simplify the expressions. Show all of your work.

1. $3(x + 2)$

2. $4(2w - 1)$

3. $a(a + 2)$

4. $8(3 - z)$

5. $4(2 + b)$

6. $-2(c - 4)$

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Activity 2

Read each statement carefully, then translate it into an expression. Do not simplify it. Use h as the variable in the expression. Here is a hint, there are only four problems where you will have an expression with a coefficient and parentheses.

1. A number minus 7 _____
2. 4 times a number plus 5 _____
3. $\frac{1}{2}$ of a number _____
4. 2 times the sum of a number plus 3 _____
5. 7 times a number minus 7 _____
6. 5 times the sum of a number plus 1 _____
7. A number times a number _____
8. 3 times a number minus 2 _____
9. 3 times the sum of a number plus -4 _____
10. A number plus $\frac{3}{4}$ _____

**Reinforce Understanding**Use the mBook *Study Guide* to review lesson concepts.