

Name _____ Date _____



Skills Maintenance

Using Variables

Activity 1

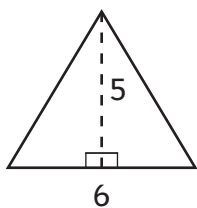
Substitute a value for the variable and solve.

1. What is $x + 198$ if $x = 107$? _____
2. What is $40 \cdot y$ if $y = 8$? _____
3. What is $63 \div w$ if $w = 9$? _____
4. What is $807 - z$ if $z = 299$? _____

Activity 2

Tell the area of each by substituting values for the variables.

1. $A = \frac{1}{2} \cdot b \cdot h$



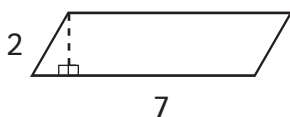
What is the area?

2. $A = b \cdot h$



What is the area?

3. $A = b \cdot h$



What is the area?

4. $A = s^2$



What is the area?

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Apply Skills

Translating Word Statements Into Number Statements

Activity 1

Write variables for each of the word statements. Then write a number statement.

- Sam is 3 years older than his brother Terrell. Write a number statement about Sam's age.

The variable _____ stands for _____ and the variable _____ stands for _____ .

Number statement _____

- In the middle of the summer, the sun sets about 3 hours later than it does in the middle of the winter. Write a number statement that describes the time the sun sets.

The variable _____ stands for _____ and the variable _____ stands for _____ .

Number statement _____

- Two men are rock climbing. The first man always stays 10 feet higher than the other man as they climb the rock. Write a number statement about how high up the first man is.

The variable _____ stands for _____ and the variable _____ stands for _____ .

Number statement _____

- There are four times as many students as adults on the field trip. Write a number statement about the number of adults on the field trip.

The variable _____ stands for _____ and the variable _____ stands for _____ .

Number statement _____

If there are 8 adults on the field trip, how many students are there?

Number Statement _____

Name _____ Date _____



Problem-Solving Activity

More Proportions With Variables

Draw pattern cards based on a proportion with a missing part. First solve the proportion by finding the value of the variable in the proportion. Then draw the pattern cards that reflect the proportional relationship.

1. ♡ ○ $\frac{2}{3} = \frac{x}{6}$ $x =$ _____

2. 😊 ◻ $\frac{3}{4} = \frac{9}{w}$ $w =$ _____

3. △ ☆ $\frac{1}{8} = \frac{2}{u}$ $u =$ _____

Card A

Card B

Problem 1:

Problem 2:

Problem 3:

Name _____ Date _____



Problem-Solving Activity

More Proportions With Variables

Two of the five cards are proportional. Which ones are they? Once you have identified them, write the proportion and explain how you found them.



Reinforce Understanding

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