

Name \_\_\_\_\_

## Write Inequalities



**COMMON CORE STANDARD—6.EE.B.8**  
*Reason about and solve one-variable equations and inequalities.*

Write an inequality for the word sentence. Tell what type of numbers the variable in the inequality can represent.

1. The width  $w$  is greater than 4 centimeters.

The inequality symbol for “is greater than” is  $>$ .  $w > 4$ , where  $w$  is the width in

centimeters.  $w$  is a positive number.

2. The score  $s$  in a basketball game is greater than or equal to 10 points.

3. The mass  $m$  is less than 5 kilograms.

4. The height  $h$  is greater than 2.5 meters.

5. The temperature  $t$  is less than or equal to  $-3^\circ$ .

Write a word sentence for the inequality.

6.  $k < -7$

7.  $z \geq 2\frac{3}{5}$

## Problem Solving



8. Tabby’s mom says that she must read for at least 30 minutes each night. If  $m$  represents the number of minutes reading, what inequality can represent this situation?

9. Phillip has a \$25 gift card to his favorite restaurant. He wants to use the gift card to buy lunch. If  $c$  represents the cost of his lunch, what inequality can describe all of the possible amounts of money, in dollars, that Phillip can spend on lunch?

10. **WRITE** *Math* Write a short paragraph explaining to a new student how to write an inequality.

## Lesson Check (6.EE.B.8)

1. At the end of the first round in a quiz show, Jeremy has at most  $\bar{20}$  points. Write an inequality that means "at most  $\bar{20}$ ".
2. Describe the meaning of  $y \geq 7.9$  in words.

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## Spiral Review (6.EE.A.2a, 6.EE.A.4, 6.EE.B.5, 6.EE.B.7)

3. Let  $y$  represent Jaron's age in years. If Dawn were 5 years older, she would be Jaron's age. Which expression represents Dawn's age?
4. Simplify the expression  $7 \times 3g$ .

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5. What is the solution of the equation  $8 = 8f$ ?
6. Which of the following are solutions of the inequality  $k \leq \bar{2}$ ?

$$k = 0, k = \bar{2}, k = \bar{4}, k = 1, k = \bar{1}\frac{1}{2}$$

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