

Name :

Expressions and Equations

Lesson 5

# Inequalities

## Guided Practice

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Determine which number is a solution of the inequality. (Example 1)

1.  $9 + a < 17$ ; 7, 8, 9 \_\_\_\_\_



$a =$

2.  $b - 10 > 5$ ; 14, 15, 16 \_\_\_\_\_

$b =$

Is the given value a solution of the inequality? Write **solution** or **not solution**

3.  $x - 5 < 5$ ,  $x = 15$

\_\_\_\_\_

4.  $32 \geq 8n$ ,  $n = 3$

\_\_\_\_\_

## Independent Practice

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Determine which number is a solution of the inequality. (Example 1)

1.  $1 + f < 7$ ; 5, 6, 7 \_\_\_\_\_



$f =$  ,

2.  $g - 3 > 4$ ; 6, 7, 8 \_\_\_\_\_

$g =$

Is the given value a solution of the inequality? (Examples 2-4) Write **solution** or **not solution**

3.  $q - 2 > 16$ ,  $q = 20$  \_\_\_\_\_

4.  $t - 7 < 10$ ,  $t = 28$  \_\_\_\_\_