

## Homework

## Activity 1

Describe each of the inequalities in words.

**Model** The inequality  $x > 5$  means \_\_\_\_\_.

Answer:  $x$  is greater than 5

1. The inequality  $y < 6$  means \_\_\_\_\_.
2. The inequality  $5 \leq x$  means \_\_\_\_\_.
3. The inequality  $z > 9$  means \_\_\_\_\_.
4. The inequality  $m \geq 10$  means \_\_\_\_\_.
5. The inequality  $17 > n$  means \_\_\_\_\_.

## Activity 2

Tell whether each of the statements is true or false. On your paper, write T for true or F for false for each problem.

**Model** If  $x > 20$ , a possible value of  $x$  is 19.

Answer: F

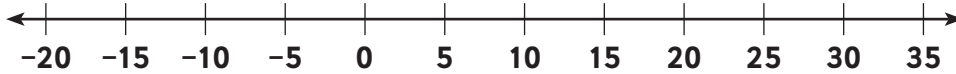
1. If  $y \leq 22$ , a possible value of  $y$  is 22.
2. If  $60 > z$ , a possible value of  $z$  is 59.
3. If  $w \geq 34$ , a possible value of  $w$  is 46.
4. If  $x < 22$ , a possible value of  $x$  is 22.



## Homework

## Activity 3

Copy the number line onto a sheet of paper for each of the problems. Then draw each inequality on a number line.



1.  $m \leq 15$
2.  $n \geq 0$
3.  $x < 35$
4.  $y > -5$

## Activity 4 • Distributed Practice

Solve.

1.  $14.7 + 29.8 = a$
2.  $437.6 - 250.8 = b$
3.  $5.8 \cdot 10 = c$
4.  $40.9 \div 10 = d$
5.  $428 + e = 795$
6.  $9 \cdot f = 72$
7.  $g - 58 = 46$
8.  $84 \div h = 12$