



Homework

Activity 1

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

Model If $x > 20$, a possible value of x is 21.

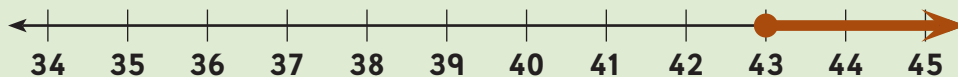
Answer: T

- If $y \leq 99$, a possible value of y is 99.
- If $z < 99$, a possible value of z is 99.
- If $w \geq 111$, a possible value of w is 111.
- If $111 < t$, a possible value of t is 99.

Activity 2

Look at each of the number lines. Tell whether the number line shows the inequality that is given. Answer Yes or No.

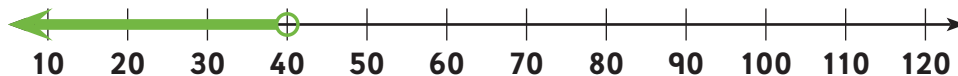
Model $x > 43$ Answer: No



- $m \geq 95$



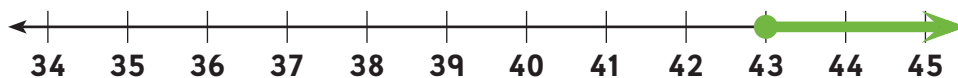
- $n < 40$



- $15 > y$



- $43 \leq z$



Homework

Activity 3

Write an inequality for each of the word problems. State what the variable represents.

Model The high temperature for the day was 75 degrees.

Answer: $t \leq 75$, where t stands for high temperature for the day.

1. It's at least 25 miles farther to the resort.
2. Martin has an older sister. Martin is 12.
3. Elijah is the tallest boy in the class. He is 6 feet tall.
4. The predicted high temperature for today is at most 55 degrees.

Activity 4 • Distributed Practice

Solve.

1. $\frac{1}{4} + \frac{2}{3} = x$

2. $74 - y = 68$

3. $\frac{3}{q} \div \frac{1}{q} = z$

4. $25 \cdot w = 100$

5. $3.98 + 2.79 = c$

6. $420 \div 6 = b$

7. $c + 537 = 814$

8. $3.25 \cdot 4 = d$

9. $143 - v = 22$