

## Basic Inequalities

**1** In each circle, draw the inequality sign that correctly compares the two numbers.

$$10 \text{ } \textcircled{>} \text{ } 3$$

$$15 \text{ } \textcircled{<} \text{ } 20$$

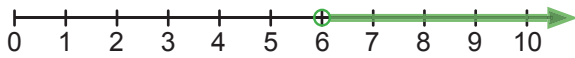
**2** In each circle, draw the inequality sign that correctly compares the two numbers.

$$7 \text{ } \textcircled{<} \text{ } 8$$

$$1 \text{ } \textcircled{>} \text{ } 0$$

**3** Graph this inequality on the number line.

$$n > 6$$



**4** Graph this inequality on the number line.

$$n \leq 5$$



**5** Graph this compound inequality on the number line.

$$2 < n < 8$$



**6** Graph this compound inequality on the number line.

$$0 < n \leq 40$$



**7** Write the inequality that is represented on the graph.



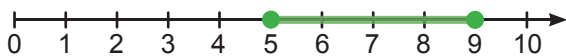
$$\underline{N \leq 25}$$

**8** Write the inequality that is represented on the graph.



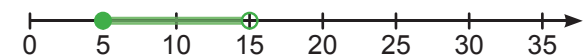
$$\underline{N > 30}$$

**9** Write the compound inequality that is represented on the graph.



$$\underline{5 \leq N \leq 9}$$

**10** Write the compound inequality that is represented on the graph.



$$\underline{5 \leq N < 15}$$