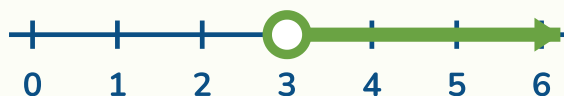




Inequalities on a number line

$$x > 3 \text{ greater than}$$



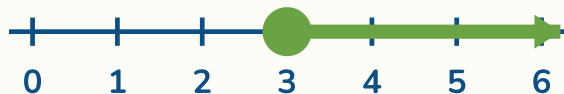
Open circle — 3 is not included.

$$x < 3 \text{ less than}$$



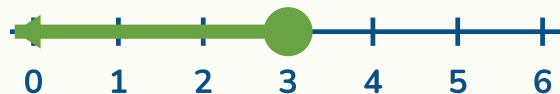
Open circle — 3 is not included.

$$x \geq 3 \text{ greater than or equal to}$$



Filled circle — 3 is included.

$$x \leq 3 \text{ less than or equal to}$$



Filled circle — 3 is included.

An open circle leaves the number out ($<$ and $>$); a filled circle takes it in ($\leq$ and $\geq$). The arrow points the way the values go.