Absolute Value represents a distance.

The $|-3|$ represents the distance between 0 and -3 on the number line.


$$
\begin{aligned}
& |3||-10| \quad|-3+5| \quad|-3-5| \\
& \begin{array}{lllllllllllllllllllll}
-10 & -9 & -8 & -7 & -6 & -5 & -4 & -3 & -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10
\end{array}
\end{aligned}
$$

## The opposite of 3 is

Note: Both 3 and -3 are both a distance of 3 from 0 on the number line.

$$
\begin{array}{lllllllllllllllllllll}
-10 & -9 & -8 & -7 & -6 & -5 & -4 & -3 & -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10
\end{array}
$$

What is the opposite of $5 ?$

What is the opposite of -5 ?

$$
\begin{array}{l|l}
-(5) & -(-5)
\end{array}
$$


$\begin{array}{llllllllllllllllllll}-10 & -9 & -8 & -7 & -6 & -5 & -4 & -3 & -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ 10\end{array}$

$$
\begin{array}{c|c|c|c}
-(3) & -(-3) & -|3| & -|-3| \\
\boxed{-3} & \boxed{3} & \boxed{-3} & \boxed{-3}
\end{array}
$$

$$
\begin{array}{c|c|c}
-(7-5) & -(5-9) & -|-3-2|-3 \\
\boxed{-2} & \boxed{4} & \\
& & \boxed{-8}
\end{array}
$$

