$$
\begin{aligned}
1 \times 3 & = \\
& =
\end{aligned}
$$

Pos $\times$ Pos $=$ Pos


$$
\begin{aligned}
& -1 \times 3=()+()+() \quad \text { Note: Multiplying a number by }-1 \text { is the same as } \\
& = \\
& =-3 \\
& \text { Neg } \times \text { Pos }= \\
& \text { Pos } \times \text { Neg }= \\
& \text { taking the opposite of the number. } \\
& \text { The opposite of } 3 \text { is }-3 \text {. } \\
& -(3)= \\
& -1 \times 3= \\
& \begin{array}{lllllllllllllllllllll}
-10 & -9 & -8 & -7 & -6 & -5 & -4 & -3 & -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& -1 \times 5=()+()+()+()+() \text { Note: Multiplying a number by }-1 \text { is the same } \\
& = \\
& =-5 \\
& \text { as taking the opposite of the number. } \\
& \text { The opposite of } 5 \text { is }-5 \text {. } \\
& -(5)= \\
& -1 \times 5=
\end{aligned}
$$

The opposite of -5 is 5 .

$$
\begin{aligned}
-(-5)= & \text { The opposite of a negative number } \\
-1 \times(-5)= & \text { will always be positive! }
\end{aligned}
$$

$\mathrm{Neg} \times \mathrm{Neg}=\mathrm{Pos}$


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

$$
\begin{array}{c|c|c|c}
-1 \times(-8) & 3(-8) & 3(-5)(-2) & (-4)(-5)(-2) \\
& (10) & (10)
\end{array}
$$

