

# Multiplying and Dividing Negative Numbers

When **multiplying and dividing negative numbers**, we look at the signs of each of the numbers in the calculation.

+	$\times$	+	$\div$	+	] Same signs, answer is <b>positive</b> .
-	$\times$	-	$\div$	+	
+	$\times$	-	$\div$	-	] Different signs, answer is <b>negative</b> .
-	$\times$	+	$\div$	-	

 **Example**

Work out  $3 \times -5$

There is no sign  
so this number is  
positive.

$$3 \times -5 = -15$$

Different signs so  
the answer is **negative**.

 **Example**

Work out  $-20 \div -4$

$$-20 \div -4 = 5$$

Same signs so  
the answer is **positive**.