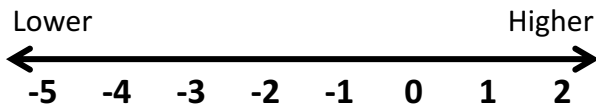


Maths Memory Cards
Set 15- Negative numbers

Negative numbers are...	Numbers get lower the further...
Sometimes negative numbers are written...	We don't use the word...
Negative numbers (those less than zero) are shown using a '-' sign. Positive numbers...	When you multiply or divide a positive number by a positive number...
When you multiply or divide a positive number by a negative number...	When you multiply or divide a negative number by a positive number...

Maths Memory Cards
Set 15- Negative numbers

...left you move down the number line. -5 is lower than -2



...those less than zero on the number line

...'minus'. We use the word '**negative**' instead. The number 3 below 0 is 'negative three', not 'minus three'

...in brackets. This doesn't change the number. -3 and (-3) are the same number

...you get a **positive** answer.

$$3 \times 4 = 12$$

$$30 \div 6 = 5$$

...are those above zero. Usually we don't use a '+' sign to show they are positive. We just write the number, but +3 and 3 are the same number

...you get a **negative** answer.

$$-3 \times 4 = -12$$

$$-30 \div 6 = -5$$

...you get a **negative** answer.

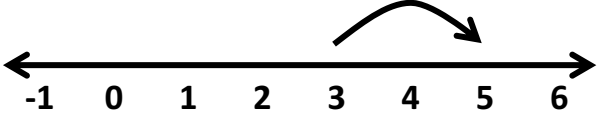
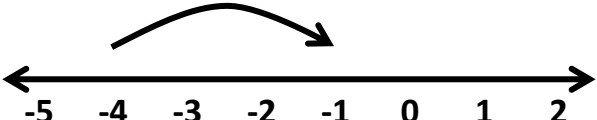
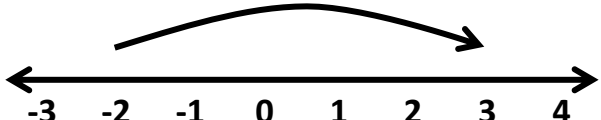

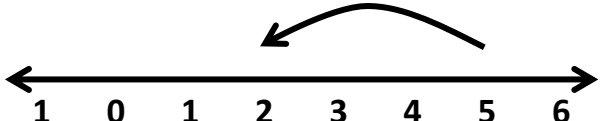
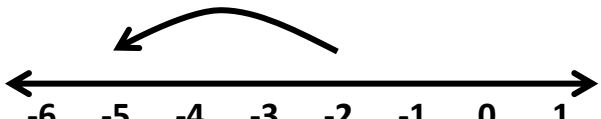
$$3 \times -4 = -12$$

$$30 \div -6 = -5$$

Maths Memory Cards
Set 15- Negative numbers

When you multiply or divide a negative number by a negative number...	$3 + 2 = ?$
$-2 + 5 = ?$	$-4 + 3 = ?$
$5 - 3 = ?$	$3 - 4 = ?$
$-2 - 3 = ?$	Adding a negative number...

Maths Memory Cards
Set 15- Negative numbers

<p>$3 + 2 = 5$ Start at 3, move up the number line 2</p> 	<p>...you get a positive answer.</p> <p>$-3 \times -4 = 12$ $-30 \div -6 = 5$</p>
<p>$-4 + 3 = -1$ Start at -4, move up the number line 3</p> 	<p>$-2 + 5 = 3$ Start at -2, move up the number line 5</p> 
<p>$3 - 4 = -1$ Start at 3, move down the number line 4</p> 	<p>$5 - 3 = 2$ Start at 5, move down the number line 3</p> 
<p>...is the same as doing a subtraction.</p> <p>$3 + -2$ is equivalent to $3 - 2$</p>	<p>$-2 - 3 = -5$ Start at -2, move down the number line 3</p> 

Maths Memory Cards
Set 15- Negative numbers

Subtracting a negative number...	$3 + -2 = ?$
$5 + -7 = ?$	$-4 + -3 = ?$
$5 - -3 = ?$	$-3 - -4 = ?$
$-5 - -3 = ?$	Squaring a negative number...

Maths Memory Cards
Set 15- Negative numbers

$3 + -2$ is equivalent to $3 - 2 = 1$ Start at 3, move down the number line 2	...is the same as doing an addition . $3 - -2$ is equivalent to $3 + 2$
$-4 + -3$ is equivalent to $-4 - 3 = -7$ Start at -4, move down the number line 3	$5 + -7$ is equivalent to $5 - 7 = -2$ Start at 5, move down the number line 7
$-3 - -4$ is equivalent to $-3 + 4 = 1$ Start at -3, move up the number line 4	$5 - -3$ is equivalent to $5 + 3 = 8$ Start at 5, move up the number line 3
...gives a positive answer. $(-3)^2 = -3 \times -3 = 9$	$-5 - -3$ is equivalent to $-5 + 3 = -2$ Start at -5, move up the number line 3

Maths Memory Cards
Set 15- Negative numbers

<p>It is not possible...</p>	<p>Say this calculation out loud then answer it: 3×-2</p>
<p>Say this calculation out loud then answer it: $-6 \div -2$</p>	<p>Say this calculation out loud then answer it: $-4 + 2$</p>
<p>Say this calculation out loud then answer it: $-4 - 2$</p>	<p>Say this calculation out loud then answer it: $-3 + -5$</p>
<p>Say this calculation out loud then answer it: $-5 - -2$</p>	<p>Say this calculation out loud then answer it: $(-4)^2$</p>

Maths Memory Cards
Set 15- Negative numbers

<p>'Three times negative two equals negative six'</p>	<p>...to square root a negative number and get a real number answer</p>
<p>'Negative four add two equals negative two'</p>	<p>'Negative six divided by negative two equals (positive) three'</p>
<p>'Negative three add negative five equals negative eight'</p>	<p>'Negative four subtract two equals negative six'</p>
<p>'Negative four squared equals (positive) sixteen'</p>	<p>'Negative five subtract negative two equals negative three'</p>