## POSITIVE AND NEGATIVE NUMBERS

## ADDITION

LIKE signs – Add the numbers and keep the common sign.

UNLIKE signs – Find the difference between the 2 numbers and keep the sign of the "larger" number (i.e. the number with the greatest absolute value).

Examples:	LIKE signs	UNLIKE signs
	-7 + -3 = -10	5 + -9 = -4
	8 + 6 = 14	9 + -8 = 1

## SUBTRACTION

- Change the subtraction to addition: Change the subtraction sign to an addition sign.
- 2. Make the second number its opposite: Change the sign of the second number.
- 3. Use the addition rules to determine the answer

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Examples: -7 - -5 = -7 + +5 = -2
8 - -10 = 8 + +10 = 18
-5 - 8 = -5 + -8 = -13
3 - 9 = 3 + -9 = -6
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## **MULTIPLICATION AND DIVISION**

Two LIKE signs – The answer is positive [i.e. (+)(+) = (+) and (-)(-) = (+)] Two UNLIKE signs – The answer is negative [i.e. (+)(-) = (-) and (-)(+) = (-)]

Examples	LIKE signs	UNLIKE signs
	$-8 \cdot -9 = 72$	$5 \cdot -7 = -35$
	$-40 \div -8 = 5$	$\frac{-16}{8} = -2$