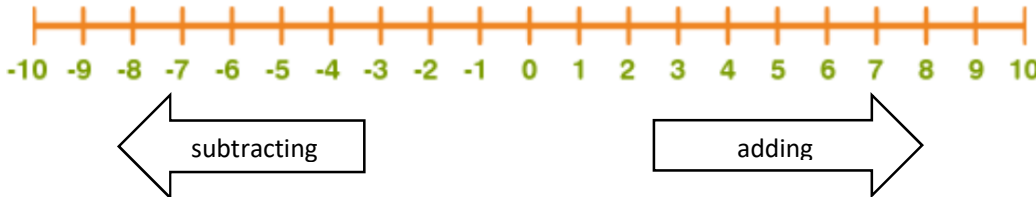


## MATHS KNOWLEDGE ORGANISER – YEAR 7 TERM 1

Topic		Information							Examples	Hegarty clip	
1	Place value	Thousands 1000	Hundreds 100	Tens 10	Unit 1	•	tenths $\frac{1}{10}$	hundredths $\frac{1}{100}$	thousandths $\frac{1}{1000}$	45.26 means 4 tens, 5 units, 2 tenths and 6 hundredths	13
2	Integer	A <b>whole number</b> that can be positive, negative or zero							Numbers like 2, 5, 0, 287, -34. But not 6.7, $\frac{1}{2}$ or $\sqrt{2}$		
3	Decimal places	The number of digits after the decimal point.							3.296 has 3 decimal places		
4	Negative numbers								Move to the right to add and to the left to subtract	39 & 40	
5	Inequalities	<ul style="list-style-type: none"> <li>• <math>x &gt; 2</math> means <b>x is greater than 2</b></li> <li>• <math>x &lt; 3</math> means <b>x is less than 3</b></li> <li>• <math>x \geq 1</math> means <b>x is greater than or equal to 1</b></li> <li>• <math>x \leq 6</math> means <b>x is less than or equal to 6</b></li> </ul>							State the integers that satisfy $-2 < x \leq 4$  -1, 0, 1, 2, 3, 4	37	
6	Division	Splitting into equal parts or groups. The process of calculating the <b>number of times one number is contained within another one</b> .  'divide', 'share'							$20 \div 4 = 5$  $\frac{20}{4} = 5$	22, 50	
7	Multiplication	Can be thought of as <b>repeated addition</b> .  'multiply', 'times', 'product'							$3 \times 6 = 6 + 6 + 6 = 18$	21, 48	