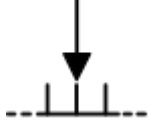




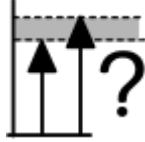
KS3 - Laheib's group		
Key word	Definition	Visual
Numeral	A symbol or name that represents a number (e.g., 49, twelve, or 3)	12③
Whole Number	A number without fractions or decimals, including 0, 1, 2, 3, and so on	3.5 ↑
Digit	A single symbol used to represent numerals (e.g., 0, 1, 2, 3, etc.)	↓↓↓↓ 1 2 3 4
Significant figure	The digits in a number that carry meaningful information about its precision.	78.345 80 ↑
Place value	The value of where a digit is in the number, such as units, tens, hundreds.	H T U 3⑤4
Partitioning	Breaking down a number into parts or sections for easier calculations.	247 200 40 7



KS3 - Catherine's group		
Key word	Definition	Visual
Partition	Dividing a number into parts for easier calculations.	247 200 40 7
Place value	The value of where a digit is in the number, such as units, tens, hundreds.	H T U 3⑤4




Placeholder	A digit that holds a position in a number to give it its proper value.	0
Sequence	A set of numbers arranged in a specific order based on a rule or pattern.	1,3,5,7,9
Position	The location of a number or value in a sequence or set.	
Ascending	Moving upward in value, from smallest to largest.	
Descending	Moving downward in value, from largest to smallest.	




KS3 - Karolina's group		
Key word	Definition	Visual
Place value	The value of where a digit is in the number, such as units, tens, hundreds.	HTU 3 5 4
Decimal	A number that includes a decimal point to show values smaller than one.	0.4
Partition	Dividing a number into parts for easier calculations.	247 200 40 7
Multiples	The result of multiplying a number by an integer (e.g., multiples of 3: 3, 6, 9).	3 6 9 18 30





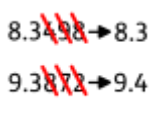
Addition	The process of finding the total of two or more numbers.	$3+1+2=$
Subtraction	The process of taking one number away from another.	$3-1-2=$
Rounding	Approximating a number to a nearby value for simplicity.	$8.3498 \rightarrow 8.3$ $9.3873 \rightarrow 9.4$

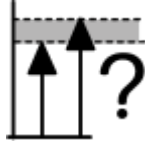
KS3 - Muge's group		
Key word	Definition	Visual
Rounding	Adjusting a number to a simpler value, while keeping it close to the original.	$8.3498 \rightarrow 8.3$ $9.3873 \rightarrow 9.4$
Estimation	Finding an approximate value that is close enough to the exact number.	
Cube	A number multiplied by itself twice (e.g., $2 \times 2 \times 2 = 8$ ).	3
Square	A number multiplied by itself (e.g., $4 \times 4 = 16$ ).	2
Cube Root	The number that produces a given number when cubed (e.g., the cube root of 27 is 3).	$\sqrt[3]{\quad}$




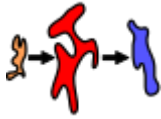
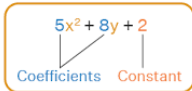

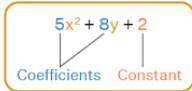

Square root	A number that produces a given number when multiplied by itself (e.g., the square root of 9 is 3).	
Ratio	A comparison of two quantities showing how many times one value is contained in another.	4:3
Proportion	An equation stating that two ratios are equal.	
Expression	A mathematical phrase that combines numbers and operations (but without an equals sign).	$4ab + c$
Equation	A mathematical statement showing that two expressions are equal, using an equals sign.	$3a = 10$

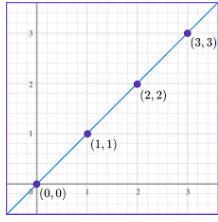

KS4 - Philip's group (ELC)		
Key word	Definition	Visual
Money	A system or currency used to exchange goods and services.	
Coins	Metal money used in small denominations.	
Notes	Paper money used for larger denominations.	

Change	The money returned to someone after they have paid more than the total cost.	
Total	The complete sum of all numbers or items added together.	
Altogether	Refers to the combined amount or total of several items.	

KS4 - Karolina's group (FS)		
Key word	Definition	Visual
Positive	A number greater than zero.	
Negative	A number less than zero.	
Integer	A whole number that can be positive, negative, or zero.	
Four operations	The basic operations of arithmetic: addition, subtraction, multiplication, and division.	
Rounding	Adjusting a number to a simpler or more convenient value.	

Estimation	Finding a value that is close to the exact amount but easier to calculate.	
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KS4 - Muge's group (GCSE)		
Key word	Definition	Visual
Direct proportion	When two values increase or decrease at the same rate. For example, earning more money for working more hours	
Inverse proportion	When one value decreases as the other increases. For example, the faster you drive, the less time it takes to get somewhere	
Ratio	A comparison between two quantities showing how many times one value contains the other	4:3
Identity	An equation that is true for all values of the variables involved. For example, $2(x+3)=2x+6$ $2(x+3)=2x+6$ is an identity	
Variable	A symbol used to represent a number in mathematical expressions or equations	
Coefficient	A number that multiplies a variable. For example, in $3x^2+8y+2$ , 3 is the coefficient	Coefficient  
Constant	A fixed value that does not change, like the number 5 in $y=2x+5$ $y=2x+5$	Coefficient  

<p>Linear</p>	<p>Refers to an equation whose graph forms a straight line. For example, <math>y=2x+3</math> or <math>y=2x+3</math></p>	
<p>Quadratic</p>	<p>Refers to an equation that includes a squared term (e.g., <math>x^2</math>) and its graph forms a parabola</p>	<p><math>5x^2 + 3x + 3 = 0</math></p> <p><i>this makes it Quadratic</i></p>
<p>Cubic</p>	<p>An equation that includes a cubed term (e.g., <math>x^3</math>)</p>	
<p>Standard Form</p>	<p>Another name for "Scientific Notation", where a number is written in two parts:</p> <ul style="list-style-type: none"> <li>• First: the digits, with the decimal point placed after the first digit,</li> <li>• Followed by: <math>\times 10</math> to a power that puts the decimal point back where it should be.</li> </ul>	<p><math>5326.6 = 5.3266 \times 10^3</math></p> <p><i>A Number</i>      <i>In Scientific Notation</i></p> <p><i>Digits</i>      <i>Power of 10</i></p>