

	Key Vocabulary	Explanation
		Place Value
	Consecutive	Following an order. Consecutive numbers are adjacent in
		count. For example 6, 7, 8
	Digit	One of the symbols of a number system most commonly the
		symbols 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9. Examples: the number
		29 is a 2-digit number; there are three digits in 2.95. The
		position or place of a digit in a number conveys its value
	Partition	To split a number into component parts.
		Example: the two-digit number 38 can be partitioned into
		30 + 8 or 19 + 19
	Place Value	The value of a digit that relates to its position or place in a
		number. Example: In 1482 the digits represent 1 thousand,
		4 numbers, 8 tens and 2 ones respectively, in 12.54 the
		respectively
	Quantity	Something that has a numerical value for example: 5
	Quantity	bananas
		Addition and subtraction
	Addend	A number to be added to another number.
	Associative law	Addition of more than two numbers can be done in any
		order
Key Share		A+B+C = C+B+A
Key Stage	Commutative law	Addition of two numbers can be done in any order.
One		A+B = B+A
	Equal	The symbol for equals is =.
		The equals symbol can be read as 'is equal to' or 'equals'.
		and meaning 'having the same value as'.
		Example: $7 - 2 = 4 + 1$ since both expressions, $7 - 2$ and $4 + 1$ have the same value.
	Minus	1 have the same value, 5
	winnus	subtraction
	Number bond	A pair of numbers with a particular total e.g. number bonds
		for ten are all pairs of whole numbers with the total 10
	Plus	A name for the symbol +, representing the operation of
		addition
	Product	The result of multiplying one number by another. Example:
		The product of 2 and 3 is 6 since $2 \times 3 = 6$
	Repeated	The process of repeatedly adding the same number or
	addition	amount. One model for multiplication. Example 5 + 5 + 5 + 5
		= 5 x 4
	Repeated	The process of repeatedly subtracting the same number or
	subtraction	amount. One model for division. Example 35 -5 - 5 - 5 - 5 - 5
		$-5-5=0$ so $35\div 5=7$ remainder 0
	Subtract	Carry out the process of subtraction. Finding the difference.
	Cubtroband	Taking away.
	Subtranend	A number to be subtracted from another number
	Sum	The result of one or more additions
		בגמוווטופ. ס וג נוופ געווו 10 ב+4



	Multiplication and division			
	Array	An ordered collection of counters or numbers in rows and columns		
	Division	Division can be sharing – the number to be divided is shared equally into the stated number of parts; or grouping – the number of groups of a given size is found. Division is the inverse operation to multiplication		
	Double	1. To multiply by 2. Example: Double 13 is $(13 \times 2) = 26.2$ . The number or quantity that is twice another. Example: 26 is double 13		
	Multiplicand	A number to be multiplied by another. e.g. in 5 × 3, 5 is the multiplicand as it is the number to be multiplied by 3		
		Fractions		
	Equivalent fractions	Fractions with the same value as another. For example: $4/8$ , 5/10, 8/16 are all equivalent fractions and all are equal to $\frac{1}{2}$		
	All vo	ocabulary taught in KS1 will be revisited in KS2.		
	Place Value			
	Integer	Any of the positive or negative whole numbers and zero. Example: 2, -1, 0, +1, +2		
	Negative number	<ol> <li>A number less than zero. Example: - 2. Where a point on a line is labelled 0 negative numbers are all those to the left of the zero on a horizontal numberline</li> <li>Commonly read aloud as 'minus or negative one, minus or negative two' etc</li> </ol>		
	Place holder	In a decimal number, the zero numeral is used as a place		
		holder Example: 3.02. The zero represents zero tenths		
	Prime number	A whole number greater than 1 that has exactly two factors, itself and 1		
		Examples: The number 17 has only 2 factors (1 and itself).		
Key Stage		Addition and subtraction		
Two	or subtraction	A formal method of setting out an addition or a subtraction in ordered columns with each column representing a decimal place value and ordered from right to left in increasing powers of 10. With addition, more than two numbers can be added together using column addition, but this extension does not work for subtraction.		
		789+642 becomes 7 8 9 + 6 4 2 Answer: 1431 Answer: 475 (Examples taken from Appendix 1 of the Primary National Curriculum for Mathematics)		
	Compensation	A mental or written calculation strategy where one number is rounded to make the calculation easier. The calculation is then adjusted by an appropriate compensatory addition or subtraction.		



		Example: 56 + 38 is treated as 56 + 40 and then 2 is	
		subtracted to compensate	
	Complement (in	In addition, a number and its complement have a given	
	addition)	total. Example: When considering complements in 100, 67	
		has the complement 33, since 67 + 33 = 100	
	Efficient methods	A means of calculation (which can be mental or written)	
		that achieves a correct answer with as few steps as possible.	
		In written calculations this often involves setting out	
		calculations in a columnar layout	
	Exchange	Change a number or expression for another of equal value.	
		Example: I en ones can be exchanged for one ten	
	Common factor	A number which is a factor of two or more other numbers,	
		for example 3 is a common factor of the numbers 9 and 30	
	Common multiple	An integer which is a multiple of a given set of integers, e.g.	
		24 is a common multiple of 2, 3, 4, 6, 8 and 12	
	Multiplication and Division		
	Dividend	In division, the number that is divided. E.g. in $15 \div 3$ , $15$ is	
Kev Stage	Divisor	the dividend	
Two	Divisor	The number by which another is divided. Example: In the calculation $20 \pm 6 = 5$ , the divider is 6. In this example, 20 is	
Continued		calculation $30 \div 6 = 5$ , the divisor is 6. In this example, 30 is	
	Quationt	The result of a division. Example: 15 : 2 = 5. 5 is the	
	Quotient	The result of a division. Example: $15 \div 3 = 5.5$ is the	
		quotient	
	Remainder	In the context of division requiring a whole number answer	
		(quotient), the amount remaining after the operation.	
		Example: 29 divided by 7 = 4 remainder 1	
	Square number	A number multiplied by itself	
		Example: 36 = 6 x 6 and so 36 is a square number or "6	
		squared"	
	Square root	A number whose square is equal to a given number.	
		Example: one square root of 25 is 5 since $5x5$ or $5^2 = 25$ . The	
		square root of 25 is recorded as $\sqrt{25} = 5$	
		Fractions Decimals and Percentages	
	Decimal	Decimals are represented as digits following a decimal	
	Decimar	point, indicating the number of tenths, hundredths	
		thousandths, etc	
		The decimal point is placed at the right of the ones column.	
		Each column after the decimal point is a decimal place	
	Denominator	In the notation of common fractions, the number written	
		below the line i.e. the divisor. Example: In the fraction 3/3 the	
		denominator is 3	
	Improper fraction	An improper fraction has a numerator that is greater than	
		its denominator. Example: 9 /4 is improper and could be	
		expressed as the mixed number 2¼	



Mixed fraction	A whole number and a fractional part expressed as a common fraction. Example: 1 <sup>1</sup> / <sub>3</sub> is a mixed fraction. Also known as a mixed number
Numerator	In a fraction, the numerator is the number written on the top. In the fraction $\frac{2}{3}$ , the numerator is 2
Percentage	A fraction expressed as the number of parts per hundred and recorded using the %. Example: One half can be expressed as 50%; the whole can be expressed as 100%
Proper fraction	A proper fraction has a numerator that is less than its denominator So ¾ is a proper fraction, whereas 4 /3 is an improper fraction (i.e. not proper)