Year 5		
Place Value	4 operations (+, -, x, ÷)	Number: Vocabulary
Count forwards or backwards in powers of 10 for any number up to 1,000,000	Using column written method (more detail on methods in calculation policy): add and subtract numbers with more than four-digits	Multiple: 25 is a multiple of 5 Factor: factors of a number can multiply to give that number. 5 is a factor of 25
Count forwards and backwards with positive and negative whole numbers, including through zero	e.g. 34,925 + 27,723 =, 73,862 - 10,074 =, 4,487 - 134 identify multiples and factors (including finding all	5 x 3 = 15 (factor x factor = product) Factor Pairs: 2 numbers that multiplied to give that number. Factors pairs of 12 are: 1 x 12, 2 x 6, 3 x 4
Read, write, order and compare numbers to at least 1.000,000 and determine the value of each digit e.g	factor pairs), common factors e.g. multiples of 6 are 6, 12, 18	Know, understand and use the following words: Prime Numbers: Prime numbers are only divisible by 1
7,564,839 The value of the 7 is seven million The value of the 5 is five hundred thousand	factor pairs of 6 are 2 and 3 Establish is any number up to 100 is a prime number	and themselves Prime Factors: Factors that are also prime numbers. E.g. prime factors of 15 are 3 and 5 because 3 x 5 = 15
The value of the 6 is sixty thousand etc	Recall prime numbers up to 19 e.g 1,3,5,7,11,13,17,19	and 3 and 5 are both prime numbers Common Factors: Factors that are the same for 2 numbers. Common factors of 12 and 15 are 1 and 3 as
Read Roman numerals to 1000 (M)and recognise years written in Roman numerals	Multiply numbers up to four-digit by a one-digit or two-digit number	both 12 and 15 are multiples of 1 and 3 Composite Numbers: Whole numbers that are not prime numbers
Round any number up to 1,000,000 to the nearest 10, 100, 10,000 and 100,000	(More details on calculation policy) e.g 3825 x 7 = , 3792 x 28 = Divide numbers up to 4 digits by a one-digit number	Square Numbers: A number x by itself twice. E.g. 4x4 4 squared is 16. This is recorded as $4^2 = 16$ Cube Numbers: A number x by itself three times. E.g.4x4x4
	using the formal written method of short division and interpret remainders according to the context (More details on calculation policy)	4 cubed is 16. This is recorded as 4 ³ = 16
	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 e.g. 346 ÷100 = 3.46	





Angles	Geometry	Statistics				
Know angles are measured in degrees Compare acute, obtuse and reflex angles and identify angles at a point, on a straight line, half a turn (180°) and one whole turn (360°) as well as other multiples of 90° e.g. Acute Angle Less than 90° bit Exactly 90° the function of bit Exactly 90°	Distinguish between regular and irregular polygons Regular polygons have sides that are all the same length and irregular polygons have sides that are different lengths. Use the properties of rectangles to deduce related facts and find missing lengths and angles Identify 3d shapes including cubes and other cuboids, from 2d representations	Complete, read and interpret information in line graphs and tables, including timetables Line graphs				ו in line
Straight Angle Reflex Angle Full Rotation Exactly 180° Exactly 180° Exactly 360°	Identify, describe and show the position of a shape following a reflection and reflection with coordinates e.g.	-5 - Tables Planet	Time for Revolution	Diameter (km)	Time for Rotation	
Draw given angles and measure them in degrees (°)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune	88 days 225 days 365 days 687 days 12 years 29 years 84 years 165 years	4,878 12,104 12,756 6,794 142,984 120,536 51,118 49,500	59 days 243 days 24 hours 25 hours 10 hours 11 hours 17 hours 17 hours	
	Identify, describe and show the position of a shape following a translation	Two-way t	ables Mal	e Female	Total	
	e.g. Shape A has been translated right 4 and down 2 to shape B	Sergean	t 8	5	13	
	D	Chief Inspecto Total	r 2 ctor 1 66	4 1 34	6 2 100	
	B	Timetables Halifax Shelf Shelf Village Woodside Odsal Bradford	06:05 06: 06:15 06: 06:16 06: 06:21 06: 06:26 06: 06:40 07	Bus Timetable 35 07:10 4 45 - 4 46 07:23 4 50 07:28 5 55 07:33 4 10 07:48 4	07:43 08:15 07:59 08:31 08:00 08:32 08:15 08:45 08:30 09:00	