Broadmayne First School Year Three Milestones

Unit	Milestones
Place Value: Count	• I can count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number • I know that 100 is 10 x the size of 10 • I can order numbers up to 1000 • I can count in 50s • I know that 10 tens are equivalent to 100
Place Value: Represent	• I can identify, represent and estimate numbers using concrete and pictorial representations up to 1000, including a number line • I can partition/flexibly partition numbers up to 1000 • I can read and write numbers up to 1000 in numerals and in words
Place Value: Use and Compare	• I can recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 • I can find 1, 10, 100 more or less than a number • I can estimate the position of a number on a numberline up to 1000
Addition and Subtraction: Calculations	• I can add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens, and a three-digit number and hundreds • I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • I can recall number bonds to 10 and apply my knowledge to number bonds to 100 • I can add and subtract 1s, 10s and 100s • I can add 1s across the 10s and 10s across 100 • I can subtract 1s across 10 • I can subtract 10s across 100 • I can add two numbers without an exchange • I can subtract two numbers without an exchange • I can add two numbers across a 10 • I can add two numbers across a 100 • I can estimate answers and use the inverse to check my answer
Addition and Subtraction: Problems	• I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Multiplication and Division: Recall and use	• I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • I can recognise equal groups, building and using arrays to represent repeated addition • I can use my knowledge of odds and evens to tell you if a number is a multiple of 2 or not • I can recognise whether a number is a multiple of 5 by looking at the ones digit. • can recognise whether a number is a multiple of 10 by looking at the ones digit.
Multiplication and Division: Calculations Multiplication and Division: Problems	• I can multiply a number by 3, 4 and 8 • I can divide a number by 3, 4 and 8 • I can recognise multiples of 10 beyond 100 • I can scale a multiplication fact by 10 • I can multiple a 2 digit number by a 1 digit number without an exchange • I can multiple a 2 digit number by a 1 digit number with an exchange • I can divide a 2 digit number by a 1 digit number without an exchange • I can divide a 2 digit number by a 1 digit number with remainders • I can use the vocabulary 3 x the size of when scaling • I can find different combinations when solving correspondence problems • I can solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects
Fractions: Recognise and write	• I know that a fraction is an equal part of a whole • I understand the denominator of a fraction • I can recognise a unit fraction • I can count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • I can recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators • I can recognise and use fractions as numbers: unit fractions and nonunit fractions with small denominators • I can read scales using vocabulary such as halves, thirds and quarters • I can count in fractions on a numberline
Fractions: Compare	• I can recognise and show, using diagrams, equivalent fractions with small denominators including on a numberline • I can compare and order unit fractions, and fractions with the same denominators • I can compare and order non unit fractions
Fractions: Calculations	• I can label the intervals on a number line with fractions • I can add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7 • I can find fractions of amounts
Fractions: Solve Problems	• solve problems that involve all of the above

Using Measures:	• I can measure in metres, centimetres and millimetres • I know when to measure in metres, centimetres and millimetres • I know there are 10 mm in 1 cm, 100 cm in 1 metre • I can add and subtract lengths including measuring the perimeter of 2D shapes • I can tell you what the word mass means • I can tell you what mass is measured in • I know 1 kg is equivalent to 1000g • I know half a kilogram is equivalent to 500g • I know that a quarter of a kilogram is equivalent to 250g • I can read scales in grams and kilograms • I can add and subtract mass • I can measure volume and capacity in millimetres • I know that 1 L = 1000ml • I know half litre = 500ml • I know quarter of a litre is 250ml • I can add and subtract volume and capacity
Money:	• I can add and subtract amounts of money to give change, using both £ and p in practical contexts • I can convert pence into pounds and pence • I can add money and know I should add the pounds first then the pence • I can subtract using notes and coins, (including exchanging.) • I can use adding and subtracting money to find the change
Time:	• I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks • I can estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • I know the number of seconds in a minute and the number of days in a week and in each month, year and leap year. I know how many hours there are in a day and can use this to work out how many hours there are in a given number of days • I can compare durations of events [for example to calculate the time taken by particular events or tasks] using both an analogue and digital clock • I can tell the time to 5 minutes • I can read the time on a digital clock • I know there are 60 minutes in 1 hour, that there are 60 seconds in 1 minute
Perimeter	• I know how to calculate the perimeter of an object/shape
Geometry: 2D shapes	• I can recognise, name and accurately draw 2D shapes

Geometry: 3D shapes	• I can make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
Angles and lines	• I can turn in a clockwise or an anticlockwise direction • I can make quarter, half and three quarter turns in a clockwise or an anticlockwise direction • I can identify a right angle and know the symbol for it • I can tell you what the terms 'acute' and 'obtuse' mean • I can measure and draw accurately in cm and in cm and mm • I can recognise and draw horizontal and vertical lines • I know that parallel lines stay the same distance apart and never meet • I know that perpendicular lines meet at a right angle
Statistics: Present and interpret data	• I can interpret and draw pictograms, bar charts and tables • I can collect and represent data
Statistics: Solve statistical problems	• I can solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables