Number and place value:

- count in multiples of $6,7,9,25$ and 1000
> count in multiples of 6 and 9 A1/C1
count in multiples of 7 and 11 A2/C2
$>$ count in multiples of $6,7,9,11,12,25$ and 1000 A3/C3
- find 1000 more or less than a given number
$>$ add and subtract a 4 digit number and hundreds mentally using jottings to support me A1
$>$ find 100 more or less than a given number A2
$>$ add and subtract a 4 digit number and hundreds mentally, finding 100 or 1000 more or less than a given number A3
- count backwards through zero to include negative numbers
$>$ count backwards through zero to include negative numbers A3
- recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
$>$ recognise the place value of each digit in 4 digit numbers up to 10000 A1/A2
$>$ begin to understand the place value of decimals to one decimal place A3
$>$ read and write numbers to 10000 in numerals and words A2/E2
- order and compare numbers beyond 1000
$>$ order 4 digit numbers A1
$>$ begin to compare and order numbers beyond 1000 A2
$>$ compare and order numbers up to 10000 A3
- identify, represent and estimate numbers using different representations
$>$ identify, represent and estimate numbers using different representations A1/A2
- round any number to the nearest 10,100 or 1000
> round any number to the nearest 10 A 1
$>$ round any number to the nearest 10 or 100 A2
$>$ round any number to the nearest 10, 100 or 1000 A3
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
$>$ solve number and practical problems that involve all of the skills in this unit with increasingly large positive numbers A1/A2/A3
$>$ work out how to solve problems with one or two steps A3
- read Roman numerals to 100 (Ito C ) and know that over time, the numeral system changed to include the concept of zero and place value
$>$ read Roman numerals 1-10 (I-X) A1
$>$ read Roman numerals 1-50 (I-L) A2
$>$ read Roman numerals to 100 (I-C) A3
$>$ know that over time the numeral system changed to include the concept of zero and place value A3


## Addition and subtraction:

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
$>$ add and subtract numbers with up to 2 digits using the formal written methods of columnar addition and subtraction where appropriate C1
$>$ add and subtract numbers with up to 3 digits using the formal written methods of columnar addition and subtraction where appropriate C2
> add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate C3
- estimate and use inverse operations to check answers to a calculation
$>$ estimate and check the result of a calculation A1/A2/A3
$>$ estimate and use inverse operations to check answers to a calculation C1/C2/C3
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
$>$ explain how Iadd and subtract two-digit numbers in my head A1
$>$ explain how I solve problems, using diagrams and symbols to help me A2
$>$ solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why C1/C2/C3

Multiplication and division:

- recall multiplication and division facts for multiplication tables up to $12 \times 12$
$>$ recall multiplication and division facts for the 6 and 9 multiplication tables A1/C1
$>$ recall multiplication and division facts for the 7 and 11 multiplication tables A2/C2
$>$ recall multiplication and division facts up to $12 \times 12$ A3/C3
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1 ; dividing by 1 ; multiplying together three numbers
$>$ derive facts linked to the multiplication tables that I know (e.g. If I know that $4 x 6=24$, I also know that $24 \div 6=4$ and $240 \div 6=40$ ) A3/B3
$>$ use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1C1
$>$ use place value, known and derived facts to multiply and divide mentally, including dividing by 1C2
$>$ use place value, known and derived facts to multiply and divide mentally, including multiplying together three numbers (e.g. know and can use the associative law $2 \times(3 \times 4)=(2 \times 3) \times 4$ \& know $2 \times 6 \times 5=10 \times 6) \mathrm{C} 3$
- recognise and use factor pairs and commutativity in mental calculations
$>$ identify factor pairs A1
$>$ recognise and use factor pairs and commutativity in mental calculation A2/B2
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
$>$ multiply two-digit numbers by a one-digit number C 1

> compare \& classify geometric shapes, including triangles, based on their properties and sizes B1
$>$ record my sorting and classifying in appropriate tables and charts B1/B2/B3
> use ICT to help me solve problems B1/B2/B3
$>$ compare \& classify geometric shapes, including quadrilaterals, based on their properties and sizes B2
$>$ compare lengths and angles in order to identify if shapes are regular or irregular B1/B2
$>$ know and identify the quadrilaterals; parallelogram rhombus and trapezium B2
$>$ know and identify; isosceles, equilateral and scalene triangles and the quadrilaterals; parallelogram rhombus and trapezium B3
- identify acute and obtuse angles and compare and order angles up to two right angles by size
> identify acute angles B1
> use a protractor to measure angles B1
> identify obtuse angles B2
$>$ identify acute and obtuse angles B3
$>$ compare and order angles up to two right angles by size B3
- identify lines of symmetry in 2-D shapes presented in different orientations
- complete a simple symmetric figure with respect to a specific line of symmetry
$>$ complete a simple symmetric figure with respect to a specific line of B2/B3
$>$ solve problems involving symmetry and coordinates in the first quadrant B1/B2/B3
$>$ complete a simple symmetric figure with respect to a specific line of symmetry B2/B3
$>$ recognise line symmetry in a variety of diagrams, including where the line of symmetry does not dissect the reflected shape B3
Position and direction:
- describe positions on a 2-D grid as coordinates in the first quadrant
$>$ describe positions on a 2-D grid as coordinates in the first quadrant B1
> draw a pair of axes in one quadrant, with equal scales and integer labels B2
- describe movements between positions as translations of a given unit to the left/right and up/down
$>$ describe movements between positions as translations of a given unit to the left/right and up/down B1
- plot specified points and draw sides to complete a given polygon.
> plot specified points and draw sides to complete a given polygon B1
$>$ read, write and use pairs of coordinates $(2,5)$ including using coordinate-plotting ICT tools B2


## Statistics

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
$>$ present discrete and continuous data using appropriate graphical methods E1
$>$ present discrete and continuous data using appropriate graphical methods, including bar charts E2
$>$ present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs E3
$>\quad$ interpret discrete and continuous data using appropriate graphical methods E1
$>\quad$ interpret discrete and continuous data using appropriate graphical methods, including bar charts E2
$>$ interpret discrete and continuous data using appropriate graphical methods, including bar charts and time graphs E3
$>\quad u s e$ an increasing range of scales in my representations E3
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs $>$ solve comparison, sum and difference problems using information presented in bar charts, pictograms and tables E1
$>$ solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs E2/E3

