

Knowledge: *I understand and know that/ I can explain*

- Addition & multiplication are commutative, subtraction & division are not
- One thousand is composed of 100 tens, 10 hundreds and 1,000 ones
- A square number is the result of multiplying a whole number by itself
- Perimeter is the distance around the edge of a 2D shape
- Making a factor/dividend 10/100 times the size affects the product/ quotient
- A quantity can be expressed both as a mixed number and an improper fraction
- Right-angled triangles contain a right angle, equilateral triangles have three equal sides and angles, isosceles triangles have two equal sides and angles and scalene triangles have no equal sides or angles
- A parallelogram, rhombus, kite and trapezium are types of quadrilaterals; a rhombus is a parallelogram with 4 equal sides, a parallelogram has two pairs of parallel sides and opposite sides are equal, a trapezium has two parallel sides and a kite has two pairs of adjacent sides of the same length
- A coordinates grid is a 2D surface used to identify the exact position of points using pair of numbers (coordinates)
- Translation is the movement of a shape to a new position without changing its size, shape or orientation
- Line symmetry is an imaginary line that divides a shape into two identical halves where one half is a mirror image of the other
- There are 60 minutes in an hour and 24 hours in a day

Skills: *I can confidently*

- ✓ Recall multiplication facts up to 12x12
- ✓ Add and subtract using a columnar algorithm
- ✓ Use partitioning and known number facts to multiply
- ✓ Use known number facts to divide by a single-digit number and represent the remainder
- ✓ Round a four-digit number to the nearest multiple of one thousand, one hundred and ten
- ✓ Add and subtract mixed numbers (by converting to improper fractions first)
- ✓ Translate a shape in the first quadrant
- ✓ Reflect a polygon in a line of symmetry
- ✓ Read and write time in analogue, digital, 12 and 24 hr
- ✓ Convert between hours & minutes, minutes & seconds, years & months and weeks & days

Key Vocabulary

addend, sum, minuend, subtrahend, difference, subtract, additive, perimeter, factor, multiple, multiplicative, equation, partition, multiplier, product, divisor, dividend, remainder, numerator, denominator, mixed number, improper fraction, translate, coordinates, quadrant, symmetry, analogue, digital, parallel, adjacent, quadrilateral, rhombus, parallelogram, trapezium, equilateral, isosceles, scalene