

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

- There are ten tenths in one whole
- Negative numbers are numbers with a value less than zero; they begin at negative one (also referred to as 'minus one' and written as -1)
- Area is the measurement of the surface of a flat item
- Volume is the amount of space that something occupies
- A cube number is the result of multiplying a whole number by itself three times
- A prime number is a whole number greater than 1 that has exactly two factors: itself and 1. The smallest prime number is 2.
- A composite number is a whole number greater than 1 that has more than two factors. The smallest composite number is 4.
- One half is equivalent to 0.5, one quarter is equivalent to 0.25, one fifth is equivalent to 0.2, one tenth is equivalent to 0.1
- 1 mile is equivalent to 1.6km, 5 miles is approximately 8km
- Angle at a point and one whole turn total 360° , angles at a point on a straight line and half a turn total 180°
- An acute angle is smaller than a right angle (90°)
- An obtuse angle is larger than a right angle but less than the angle on a straight line
- A reflex angle is larger than an angle on a straight line but less than an angle in a full turn

Skills: *I can confidently*

- ✓ Add and subtract with decimal numbers using the column algorithms
- ✓ Round a decimal number to the nearest tenth/ whole number
- ✓ Convert between pounds and pence
- ✓ Place negative numbers on a number line
- ✓ Multiply a 3-digit number by a single-digit number using short multiplication
- ✓ Divide a 2-digit number by a single-digit number using short division
- ✓ Calculate the area of rectilinear shapes
- ✓ Multiply one digit numbers by decimal fractions
- ✓ Calculate the volume of a cuboid
- ✓ Work systematically to find all the factors of a number
- ✓ Multiply a proper fraction/ improper fraction/ mixed number by a whole number
- ✓ Find a fraction of a quantity
- ✓ Use the horizontal and vertical relationships between numerators and denominators to find equivalent fractions
- ✓ Convert between miles and km
- ✓ Measure the size of angles accurately using a protractor

Key Vocabulary

decimal, decimal place, decimal fraction, tenth, hundredth, positive number, negative number, factor, multiple, prime, composite number, multiplier, product, divisor, dividend, quotient, area, scale, rectilinear, volume, square number, cube number, commutative, distributive, improper fraction, mixed number, equivalent, convert, miles, kilometre, acute, obtuse, reflex, rotation, degrees,