

MATHS

Geometry – Angles (Week 1-2)

- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
 - Draw given angles, and measure them in degrees
- Identify: angles at a point and one whole turn (total 360), angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180) other multiples of 90 degrees

Geometry – Shapes (Week 3-4)

- Identify 3D shapes, including cubes and other cuboids, from 2D representations
- Use the properties of rectangles to deduce related facts and find missing lengths and angles
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Geometry – Position and direction (Week 5)

- Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed

Measurement – converting units (Week 6-7)

- Convert between different units of metric measure (for example, km and m; cm and m; cm and mm; g and kg; l and ml)
- Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints
 - Solve problems involving converting between units of time

Number – Prime Numbers (Week 8)

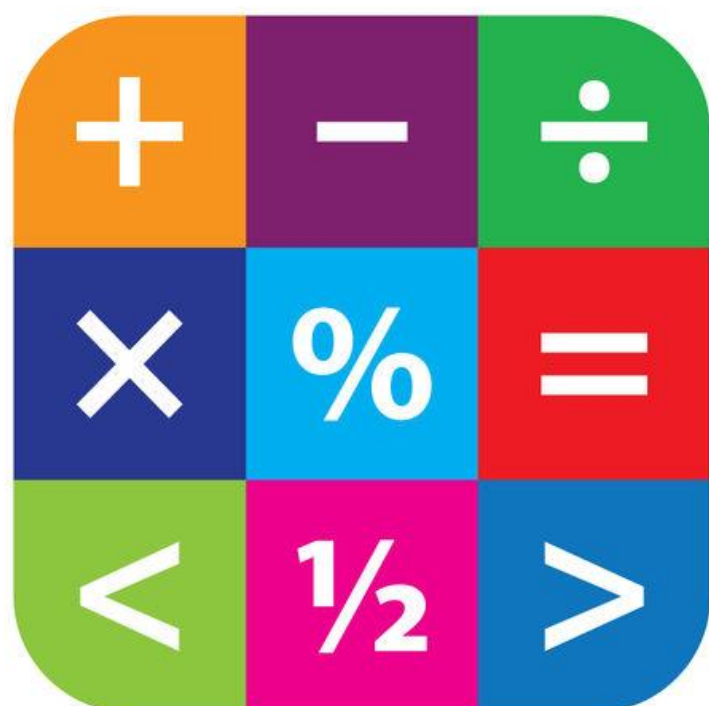
- Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
 - Establish whether a number up to 100 is prime and recall prime numbers up to 19

Perimeter and Area (Week 9)

- Measure and calculate the perimeter of composite rectilinear shapes in cm and m
- Calculate and compare the area of rectangles (including squares), and including using standard units, cm², m²
 - Estimate the area of irregular shapes

Measures & Volume (Week 10)

- Estimate volume (for example using 1cm³ blocks to build cuboids (including cubes) and capacity (for example, using water)
 - Use all four operations to solve problems involving measure



MENTAL MATHS

- Count up/down in thousands
- Use knowledge of multiples and factors, test for divisibility
- Double and halve money by partitioning (Half of £75.40 = half of £75 plus half of 40p)
 - Know 7x and 9x table, apply and extend