MATHS   YEAR 4 - SPRING

WEEK	UNIT OF MATHS - NUMBER	UNIT OF MATHS - NON-NUMBER (1 day each week throughout Spring Term)
1-4	**Multiplication and Division** • recall and use multiplication and division facts for the ***3,6,9,7,11,12*** multiplication tables • recognise and use factor pairs and commutativity in mental calculations • use place value, known and derived facts to multiply and divide mentally, including: ❖ multiplying together three numbers • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. • interpret remainders appropriately for the context • ***multiply and divide whole numbers by 10 and 100*** • ***calculate different measures, including money in pounds and pence*** **UNIT SPECIFIC VOCABULARY** repeated addition, equal groups, times tables, multiply, multiple, commutative, distributive law, times, factor, product, represent, calculation, division divide, share equally, find the number of groups, dividend, divisor, quotient, remainder	**Geometry – Position and Direction** • describe positions on a 2-D grid as coordinates in the first quadrant • describe movements between positions as translations of a given unit to the left/right and up/down • plot specified points and draw sides to complete a given polygon. **UNIT SPECIFIC VOCABULARY** coordinates, first quadrant, translate, translations, plot, points, axes

| 5-12 | **<u>Whole Numbers: Factors and Multiples</u>**
• round any number to the nearest 10, 100 or 1000
• identify ***common*** multiples and factors, including finding all factor pairs of a number, and common factors of two numbers

<u>UNIT SPECIFIC VOCABULARY</u>

round, between, nearest, approximately equal to, factor, multiple, common factors, common multiples | **<u>Measure – Area and Perimeter</u>**
• distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

• measure the perimeter of simple 2-D shapes
• measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
• find the area of rectilinear shapes by counting squares
• measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
• calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes

<u>UNIT SPECIFIC VOCABULARY</u>

area, perimeter, length, standard units, square centimetre cm2, square metre m2, regular polygons, irregular polygons, rectilinear shapes |