Year Five Maths Non-Negotiables

# - Count forwards & backwards in steps of powers of 10 for any given number up to 1,000, 000.

# - Compare & order numbers up to 1, 000, 000.

# - Count forwards & backward with positive & negative numbers through zero.

# - Compare & order numbers with 3 decimal places.

# - Read, write, order & compare numbers to at least 1,000,000.

# - Identify all multiples & factors, including finding all factor pairs.

# - Read Roman numerals to 1,000.

# - Recall prime numbers up to 19.

# - Recognise & use square numbers & cube numbers.

# - Recognise place value of any 6-digit number.

# - Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 or 100000.

# - Round decimals with 2dp to nearest whole number & 1dp.

# Add & subtract:

# - Numbers with more than 4- digits using formal written method.

# - Numbers with up to 2dp.

# - Use rounding to check answers.

# - Using all above to solve problems. Multiply:

# - 4-digits by 1-digit & 2-digit numbers.

# Divide:

# - Up to 4-digits by 1-digit

# Multiply & divide:

# - Whole numbers & decimals by 10, 100 & 1000

# - Recognise & use thousandths.

# - Recognise mixed numbers & improper fractions & convert from one to another.

# - Multiply proper fractions & mixed numbers by whole numbers.

# - Identify & write equivalent fractions.

# - Add & subtract fractions with the same denominator.

# - Read & write decimal numbers as fractions.

# - Recognise & use % symbol.

# - Solve time problems using timetables & converting between different units of time.

# - Convery between different units of measure.

# - Understand & use approximate estimates between metric & imperial measures.

# - Measure & calculate perimeter of composite rectilinear shapes.

# - Calculate & compare the area of shapes in cm2 & m2.

# - Estimate volume & capacity in cm3.

# - Identify 3D shapes from 2D representations.

# - Know angles are measured in degrees.

# - Estimate & compare acute, obtuse & reflex angles.

# - Draw given angles & measure them in degrees.

# - Use the properties of rectangles to find missing lengths & angles.

# - Distinguish between regular & irregular polygons.

# Identify:

# - Angles at a point & one whole turn (360)

# - Angles on a straight line (180)

# - Other multiples of 90

# - Solve comparison, sum & difference problems from line graphs.

# - Complete, read & interpret information from tables including timetables.