Year 5 NUMERACY TARGET GRIDS

Number and Place Value

- I can read Roman numerals to 1000 (M) and recognise years written in numerals.
- I can solve number problems and practical problems that involve all of the below.
- I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 .
- I can use negative numbers in context; count forwards and backwards with positive and negative whole numbers through 0
- I can count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.
- I know what each digit represents in numbers to 1 000 000.
- I can read , write , order and compare numbers to at least 1 000 000.

Addition and Subtraction

- I can use all 4 rules of number to solve multi – step problems.
- I can use rounding to check answers to calculations.
- I can subtract mentally using increasingly large numbers.
- I can add mentally using increasingly large numbers.
- I can subtract numbers with up more than 4 digits
- I can add whole numbers with more than 4 digits.

Multiplication and Division

- I can solve X and ÷ problems, scaling by fractions and ratio.
- I can solve problems involving X and ÷ including factors, multiples square and cubes.
- I can recognise and use square and cube numbers.
- I can X and ÷ whole numbers and decimals by 10, 100 and 1000.
- I can multiply and divide numbers mentally.
- I can divide numbers up to 4 digits by a one or two-digit number.
- I can multiply numbers up to 4 digits by a one or two-digit number.
- I can establish whether a number is prime and recall prime numbers up to 19.
- I know and use the vocabulary of prime numbers, prime factors and composite.
- I can identify multiples and factors including finding all factor pairs.

Measurements

- I can use all four operations to solve problems involving measure using decimal notation, including scaling.
- I can solve problems involving converting between units of time.
- I can estimate the volume and capacity.
- I can estimate the area of irregular shapes.
- I can calculate and compare the area of rectangles (including squares)
- I can measure and calculate the perimeter of composite rectilinear shapes in centimetres & metres.
- I understand and use approximate equivalences between metric units and imperial units such as inches & pounds
- I can convert between different units of metric measure.

Fractions

- I can solve problems involving decimals to 3 decimal places.
- I can read and order numbers with 3 decimal places.
- I can round decimals with 2 decimal places to the nearest whole number & to 1one decimal place.
- I can recognise and use 1000ths and relate them to 10ths, 100ths and decimal equivalents.
- I can multiply proper fractions and mixed numbers by whole numbers.
- I can + and—fractions with the same denominator and denominators that are multiples of the same number.
- I can recognise mixed number and improper fractions and convert from one form to another.
- I can identify, name and write equivalent fractions of a given fraction.
- I can compare and order fractions whose denominators are all multiples of the same number.

Geometry

- I can identify, describe and represent the position of a shape following a reflection or translation.
- I can distinguish between regular and irregular polygons.
- I can use the properties of rectangles to deduce related facts and find missing lengths and angles.
- I can identify other multiples of 90°
- I can identify angles at point on a straight line and 1/2 a turn.
- I can identify angles at a point and one whole turn.
- I can draw angles and measure them in degrees (°)
- I know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
- I can identify 3-D shapes, including cubes and other cuboids from 2-D drawings.

Statistics

- I can read and write decimal numbers as fractions.
- I can write % as a fraction and decimal equivalents.
- I can complete, read and interpret information in tables Including timetables.
- I can solve 'difference' problems using information presented in a line graph.
- I can solve 'sum' problems using information presented in a line graph.
- I can solve 'comparison' problems using information presented in a line graph.