HOLLIN PRIMARY SCHOOL

MATHS STANDARD 5

Name:.....

5

Fractions and Decimals

- ◯ I can solve problems drawing on knowledge of % and decimal equivalents.
- ◯ I can identify, name and write equivalent fractions of a given fraction, represented visually including $^{1}/_{10}$ and $^{1}/_{100}$
- ◯ I can write percentages as a fraction with denominator of 100, and as a decimal.
- ◯ I can read, write, order and compare number with up to three decimal places.
- ◯ I can round decimals with 2dp to the nearest whole number and to one decimal place.
- ◯ I can recognise and write 1000ths and relate them to 10ths, 100ths and decimal equivalents.
- ◯ I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- ◯ I can + and - fractions with the same denominator and denominators that a multiples of the same number.
- ◯ I can recognise mixed numbers and improper fractions and convert from one form to another and write mathematical statements.
- ◯ I can compare and order fractions whose denominators are all multiples of the same number.
- ◯ I can solve problems involving numbers up to 3dp.

Multiplication And Division

- ◯ I can identify multiples and factors, including finding all factor pairs, and common factors of two numbers.
- ◯ I can solve problems using multiplication and division, using knowledge of factors and multiples, squares and cubes.
- ◯ I can establish whether a number up to 100 is prime and recall prime numbers up to 19.
- ◯ I can X numbers up to 4 digits by a one or 2 digit number using a formal written method including long x for two numbers.
- ◯ I can X and ÷ whole numbers and those involving decimals by 10, 100 & 1000.
- ◯ I can divide numbers up to 4 digits by a 1 digit number using the formal written method of short division.
- ◯ I can recognise and use square numbers and cube numbers, including notation.
- ◯ I can solve problems involving X and ÷, including scaling by simple fractions and simple rates.
- ◯ I can interpret remainders in context.
- ◯ I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.
- ◯ I can use number operations to solve multi step problems.

Geometry

- ◯ I can identify, describe and represent the position of a shape following translation and reflection using appropriate language and know that the shape has not changed.
- ◯ I can estimate and compare acute, obtuse and reflex angles.
- ◯ I can distinguish between regular and irregular polygons using my knowledge of equal sides and angles.
- ◯ I can state and use the properties of a rectangle to deduce related facts and find missing lengths and angles.
- ◯ I can identify multiples of 90 degrees, whole turn, half and quarter.
- ◯ I can draw a given angle, and measure in degrees.
- ◯ I can identify 3-D shapes, including cubes and cuboids, from 2-D representations.

Measurement

- ◯ I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- ◯ I understand and use approximate equivalences between metric units and common imperial unit such as inches/pounds/pints.
- ◯ I can convert between different units of metric measure (e.g. km to m; cm and m: cm and mm; kg and g; l and ml).
- ◯ I can calculate and compare the area of squares and rectangles, using standard units, cm and m.
- ◯ I can estimate the area of irregular shapes.
- ◯ I can estimate volume e.g. using 1cm cube blocks to build cuboids
- ◯ I can solve problems involving converting between units of time.
- ◯ I can use all four operations to solve measure problems involving decimal notation including scaling.

Number and Place Value

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

Addition and Subtraction

- ◯ I can add numbers with more than 4 digits using formal written methods (columnar +)
- ◯ I can subtract numbers with more than 4 digits using formal written methods (columnar -).
- ◯ I can use rounding to check answers to calculations and determine in context levels of accuracy.
- ◯ I can solve multi-step addition problems in contexts, deciding which operations and methods to use and why.
- ◯ I can solve multi-step subtraction problems in contexts, deciding which operations and methods to use and why.

Statistics

- ◯ I can solve 'sum' and difference comparison problems using information presented in line graphs.
- ◯ I can read, interpret and complete information in tables including timetables.
- ◯ I can connect my work on coordinates and scales to my interpretation of time graphs.