Information for Parents/Carers

MATHEMATICS - A YEAR 3 MATHEMATICIAN

Number, place value, approximation and estimation/rounding

I can count from 0 in multiples of 4, 8, 50 and 100.

I can compare and order numbers up to 1,000.

I can read and write numbers to 1,000 in numerals and words.

I can find 10 or 100 more or less than a given number.

I can recognise the place value of each digit in a 3-digit number.

I can identify, represent and estimate numbers using different representations.

I can solve number problems and practical problems using above.

Calculations

I can add and subtract mentally, including:

A 3-digit number and ones

A 3-digit number and tens

A 3-digit number and hundreds

I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

I can estimate the answer to a calculation and use inverse operation to check answers.

I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

I can recall and use multiplication and division facts for the 3, 4 and 8x tables.

I can write and calculate mathematical statements for multiplication and division using the multiplication tables, including for 2-digit numbers, using mental and progressing to formal written methods.

I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects.

Fractions, decimals and percentages

I can count up and down in tenths.

I recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10.

I recognise and can find and write factions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

I can compare and order unit fractions and factions with the same denominators.

I can add and subtract factions with the same denominator within one whole.

I can solve problems involving the above.

Measurement

I can compare lengths using m, cm &mm.

I can compare mass using kg & g.

I can compare volume/capacity using l & ml.

I can measure lengths using m, cm & mm.

I can measure mass using kg & g.

I can measure volume/capacity using l & ml.

I can add and subtract lengths using m, cm & mm.

I can add and subtract mass using kg & g.

I can add and subtract volume/capacity using l & ml.

I can tell and write the time from an analogue clock (12 hour clock).

I can tell and write the time from an analogue clock (24 hour clock).

I can tell and write the time from an analogue clock (Roman numerals).

I can estimate and read time with increasing accuracy to the nearest minute.

I can record and compare time in terms of seconds, minutes and hours.

I can use the following vocabulary: o'clock, am, pm, morning, afternoon, noon & midnight.

I know the number of seconds in a minute.

I know the number of days in each month, year and leap year.

I can compare the duration of events.

I can measure the perimeter of simple 2D shapes.

I can add and subtract amounts of money to give change, using both £ and p in a practical context.

Geometry – properties of shapes

I can identify horizontal, vertical lines and pairs of perpendicular and parallel lines.

I can draw 2D shapes.

I can make 3D shapes using modelling materials.

I recognise 3D shapes in different orientations and describe them.

I recognise that angles are a property of shape or a description of a turn.

I can identify right angles.

I recognise that two right angles make a half-turn & three make a three quarter turn.

I can identify whether angles are greater than or less than a right angle.

Statistics

I can interpret and present data using bar charts, pictograms and tables.

I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables.

Exceeding Year 3 Expectations

I can recognise the value of each digit in a 4-digit number and the value of a tenth.

I know all multiplication facts up to 10 x 10 and can instantaneously answer questions such as, how many 7s in 42?

I can add and subtract numbers with any number of digits using formal written methods.

I am beginning to have an understanding about negative numbers recognising they are smaller than zero.

I can multiply and divide any 2-digit number by a single digit number and have an understanding of 'remainder'.

I can find fractional values (from ½ to 1/10)of amounts up to 1000.

I can use my knowledge of number to solve problems related to money, time and measures.

I know that the total internal angles of a triangle measure 180° and can measure each angle

I can ran use my knowledge of time to help me solve problems related to timetables.

I can measure, compare, add and subtract when solving more complex problems using common metric measures set out in Kg,gms; Kl,litres; Km and metres, etc.