Number and Place Value | Calculations | Fractions, decimals and percentages

The Year 3 Mathematician
'I can…'

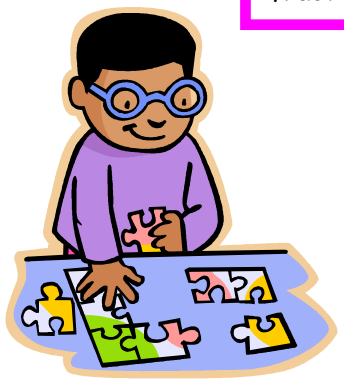
…count from 0 in multiples of 4, 8, 50 and 100.

…find 10 or 100 more or less than a given number.

…compare and order numbers up to 1000.

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

…read and write numbers to 1000 in numerals and words.



…solve number problems and practical problems using my knowledge of number and place value.

…identify, represent and estimate numbers using different representations.

…solve number problems and using my knowledge of fractions.

…add and subtract fractions with the same denominator within one whole.

…compare and order unit fractions and fractions with the same denominators.

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

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

…add and subtract mentally, including:
3 digit + ones
3 digit + tens
3 digit + hundreds

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

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

…count up and down in tenths.

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

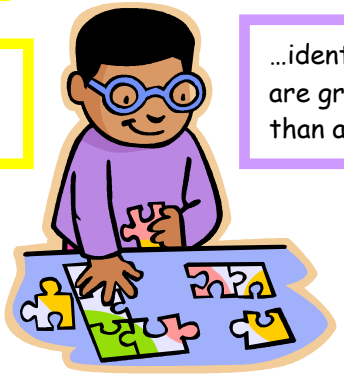
…write and calculate mathematical statements for multiplication and division using the multiplication tables, including for 2-digit numbers, using mental and progressing to formal written methods.

…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.

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

Measurement | Geometry – properties of shapes | Statistics

The Year 3 Mathematician 'I can...'



…compare lengths using m, cm and mm.

…measure lengths using m, cm and mm.

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

…interpret and present data using bar charts, pictograms and tables.

…compare mass using kg and g.

…measure mass using kg and g.

…recognise that two right angles make a half-turn and three make a three quarter turn.

…compare volume / capacity using l and ml.

…measure volume / capacity using l and ml.

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

…identify right angles.

…add and subtract lengths using m, cm and mm.

…add and subtract mass using kg and g.

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

…add and subtract volume / capacity using l and ml.

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

…tell and write the time from an analogue clock (12 hour, 24 hour and Roman numerals).

…know the number of seconds in a minute.

…make 3D shapes using modelling materials.

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

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

…draw 2D shapes.

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

…compare the duration of events.

…identify horizontal, vertical lines and pairs of perpendicular and parallel lines.

…use the following vocabulary: o'clock, am, pm, morning, afternoon, noon and midnight.

…measure the perimeter of simple 2D shapes.

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