

Year 3 to Year 4 Math's Learning Journey



Year 4

Statistics

identify horizontal and vertical lines and pairs of perpendicular and parallel lines

interpret and present data using bar charts, pictograms and tables

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



Position and Direction

identify right angles, recognise that 2 right angles make a half-turn, 3 make three quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle

recognise angles as a property of shape or a description of a turn

draw 2-D shapes and make 3-D shapes using modelling materials



Properties of Shapes

add and subtract amounts of money to give change, using both £ and p in practical contexts

measure the perimeter of simple 2-D shapes

estimate and read time with increasing accuracy to the nearest minute

compare durations of events

know the number of seconds in a minute and the number of days in each month, year and leap year

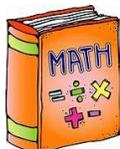
Measurement

tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

compare and order unit fractions, and fractions with the same denominators

add and subtract fractions with the same denominator within one whole



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

Fractions

count up and down in tenths

recognise, find and write fractions of a discrete set of objects

recognise and show, using diagrams, equivalent fractions with small denominators

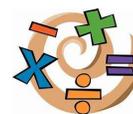
recognise and use fractions as numbers

Multiplication & Division

write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

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

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



Addition & Subtraction

add and subtract numbers mentally, including:
a three-digit number and 1s
a three-digit number and 10s
a three-digit number and 100s

estimate the answer to a calculation and use inverse operations to check answers

add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction



Number & Place Value

solve number problems and practical problems involving these ideas

identify, represent and estimate numbers using different representations

compare and order numbers up to 1,000



read and write numbers up to 1,000 in numerals and in words

recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)

count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number

Year 3

