

Maths: Progression — Number Strands

Strand	Year EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value	Number to 20 Represent, partition and compare numbers to 20, including teen numbers as tens and ones.	Number to 100 Count to 100; identify 1 more/less; write numbers in words.	Place Value in 2-Digit Numbers Recognise tens/ones in a 2-digit number; compare using $<$, $>$, $=$.	Number to 1,000 Compare/order numbers to 1000; find 100 more/less.	Number to 10,000 Round to nearest 10/100/1000; Roman numerals to 100; negative numbers.	Number to 1,000,000 Round to varying degrees of accuracy; Roman numerals to M.	Number to 10,000,000 Round with accuracy; use negative numbers to calculate intervals across zero.
Addition & Subtraction	Addition & Subtraction to 20 Understand addition as combining and subtraction as taking away; add/subtract within 20; know bonds to 10.	Within 20 Know bonds within 10 and 20; add/subtract 1-digit numbers including zero.	Within 100 Recall facts to 20; derive facts to 100; use inverse operations.	3-Digit Numbers Add/subtract numbers up to 3 digits mentally and formally.	4-Digit Numbers (Columnar) Add/subtract 4-digit numbers using a columnar method; solve 2-step problems.	Larger Numbers, Multi-Step Add/subtract mentally and formally; solve multi-step problems.	All Four Operations Combined Solve multi-step word problems using all four operations.
Multiplication & Division	Sharing, Grouping, Doubling & Halving Share and group objects equally; find doubles and, newly, halves within 10.	Counting in Multiples Count in 2s, 5s, 10s; solve one-step multiplication/division problems.	2, 5, 10 Times Tables Recall facts for 2, 5, 10; know only multiplication is commutative.	3, 4, 8 Times Tables Recall facts for 3, 4, 8; calculate statements using known tables.	Up to 12×12 Recall all facts to 12×12; multiply 2/3-digit numbers in written layout.	4-Digit $\times$ 1/2-Digit Multiply up to 4 digits by 1/2-digit numbers; short division with remainders.	4-Digit $\times$ 2-Digit Numbers Long multiplication and formal division of 4-digit by 2-digit numbers.
Fractions	—	Half and Quarter Recognise, find and name $\frac{1}{2}$ and $\frac{1}{4}$ of an object, shape or quantity.	Thirds and Quarters Recognise $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$; recognise equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.	Unit/Non-Unit, Tenths Count in tenths; add/subtract fractions with the same denominator.	Equivalent Fraction Families Recognise families of equivalent fractions; count in hundredths.	Mixed Numbers/Improper Convert between mixed numbers and improper fractions; compare/order.	All Four Operations with Fractions Simplify, compare, add/subtract/multiply/divide fractions.
Decimals & Percentages	—	—	—	—	Tenths and Hundredths Recognise decimal equivalents of tenths/hundredths; divide by 10/100.	Up to 3 Decimal Places; % Read/write/order to 3dp; recognise the % symbol and its meaning.	Decimals/% in Calculations Multiply/divide decimals; recall decimal-percentage equivalences.

Maths: Progression — Measurement, Geometry, Statistics, Ratio & Algebra

Strand	Year EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement	Capacity, Mass, Length & Height Compare capacity, mass, length and height directly, including finding a balance.	Length, Mass, Money, Time Measure/compare length, height, mass, capacity; recognise coins; tell time to hour/half hour.	Standard Units Choose standard units for length, mass, temperature and capacity; tell time to 5 minutes.	Perimeter; Money Measure perimeter of simple 2D shapes; add/subtract money to give change.	Area; Converting Units Find area by counting squares; convert between units of measure.	Composite Area/Perimeter; Volume Measure composite shapes; convert metric units; estimate volume.	Converting Units; Volume Formulae Convert between standard units using decimals; use formulae for area/volume.
Geometry: Properties of Shape	2D Shape Names Identify and compare circles and triangles; recognise 3D shapes.	2D and 3D Shapes Recognise and name common 2D/3D shapes.	Compare and Sort Shapes Identify/describe and compare/sort 2D/3D shapes.	Angles and Lines Recognise angles as a turn; identify right angles and horizontal, vertical, parallel and perpendicular lines.	Angles and Symmetry Compare/order angles; identify lines of symmetry.	Degrees; Angle Types Draw/measure angles in degrees; classify acute/obtuse/reflex.	Unknown Angles; Circles Find unknown angles in polygons; name parts of circles (radius, diameter, circumference).
Geometry: Position & Direction	Position & Direction (Single Visit) Describe position and direction using positional language.	Turns and Position Describe position, direction and movement, including turns.	Turns and Rotation Use vocabulary for position/direction; distinguish rotation as a turn.	—	Coordinates Describe position with coordinates; plot points to make polygons.	Coordinates; Reflection and Translation Identify and describe position following reflection or translation.	Four-Quadrant Coordinates Describe positions on a full coordinate grid (4 quadrants); translate/reflect shapes.
Statistics	—	—	Pictograms/Tables Interpret/construct pictograms, tally charts, block diagrams and simple tables.	Bar Charts Interpret/present data in bar charts, pictograms and tables.	Line Graphs Interpret discrete or continuous data; solve problems using bar charts and time graphs.	Line Graphs; Timetables Solve comparison, sum and difference problems using line graphs and timetables.	Pie Charts; Mean Interpret/construct pie charts and line graphs; calculate the mean.
Ratio & Algebra	—	—	—	—	—	—	Ratio and Algebra Introduced Use ratio language/symbol for relative sizes; use simple formulae and generate linear sequences.