Maths Year 3 Checklist

Number and Place Value

- [ ] Reading and writing numbers up to 1000 in numerals and words.
- [ ] Recognising the place value of each digit in a three-digit number.
- [ ] Identify and represent numbers using different representations.
- [ ] Comparing and ordering numbers up to 1000 using <, >, and =.
- [ ] Identify missing values on a number line.
- [ ] Rounding 2-digit and 3-digit numbers to the nearest 10 and 100.
- [ ] Counting in multiples of 2, 3, 4, 5, 8, 10, 50 and 1000.
- [ ] Counting forwards/ backwards within 1000.
- [ ] Recognising and describing number patterns and sequences.
- [ ] Identifying and continuing number sequences.
- [ ] Read and write Roman numerals to 20.

Addition and Subtraction

- [ ] Add/ subtract 1-digit numbers mentally to or from 3-digit numbers.
- [ ] Add/ subtract multiples of 10 mentally to or from 3-digit numbers.
- [ ] Add/ subtract 2-digit numbers mentally.
- [ ] Add/ subtract 3-digit numbers using column addition and subtraction.
- [ ] Understanding and identifying related addition and subtraction facts.
- [ ] Checking addition/ subtraction calculations using inverse operations.
- [ ] Estimating answers to calculations by rounding numbers.
- [ ] Using estimation to check the reasonableness of an answer.
- [ ] Applying addition/ subtraction skills to solve real-life problems and
- [ ] mathematical puzzles.
- [ ] Identifying operations to solve problems.
- [ ] Selecting appropriate strategies to solve problems.

Multiplication and Division

- [ ] Learn multiplication/ division facts for the 2 - 5, 8, and 10 times tables.
- [ ] Multiply two-digit and one-digit numbers.
- [ ] Use arrays, addition, and multiplication facts to solve problems.
- [ ] Use the commutative law of multiplication .
- [ ] Divide two-digit numbers by one-digit numbers.
- [ ] Apply multiplication and division skills to solve problems.
- [ ] Interpret multiplication/ division problems with diagrams/ equations.
- [ ] Recognise and identify multiples and factors of a given number.

Fractions

- [ ] Recognise, name, and write fractions of a whole and a set of objects.
- [ ] Count up and down in tenths.
- [ ] Recognise/ show equivalent fractions with small denominators.
- [ ] Compare and order unit fractions with the same denominators.
- [ ] Add/ subtract fractions with the same denominator within one whole.
- [ ] Apply fraction skills to solve problems and mathematical puzzles.

Geometry

- [ ] Recognise and name common 2D shapes.
- [ ] Recognise and name common 3D shapes.
- [ ] Identify and describe the properties of 2D and 3D shapes.
- [ ] Recognise and identify horizontal, vertical, and diagonal lines.
- [ ] Recognise and identify pairs of parallel and perpendicular lines.
- [ ] Recognise and identify right angles in shapes and objects.
- [ ] Estimate and compare angles as larger or smaller than a right angle.
- [ ] Identify and describe lines of symmetry in 2D shapes.
- [ ] Complete symmetrical patterns and shapes.
- [ ] Describe the position of objects using mathematical language .
- [ ] Use coordinates to specify positions on a grid.

Measurement

☐ Measure/compare the lengths/heights of objects using standard units.

☐ Estimate/ measure lengths using rulers or other measuring tools.

☐ Solve problems involving addition and subtraction of lengths.

☐ Measure/ compare the mass/weight of objects using standard units.

☐ Estimate/ measure masses using weighing scales/ measuring tools.

☐ Solve problems involving addition and subtraction of masses.

☐ Measure/compare capacity and volume using standard units.

☐ Estimate/ measure capacities and volumes using measuring tools.

☐ Solve problems involving addition and subtraction of capacities.

☐ Tell and write the time using analogue and digital clocks.

☐ Use vocabulary related to time .

☐ Read and interpret calendars.

☐ Solve problems involving time durations and time intervals.

☐ recognise and use different denominations of coins and notes.

☐ Add and subtract amounts of money using pounds and pence.

☐ Solve problems involving money, including giving change.

☐ Convert between different units of length, mass, and capacity.

Statistics

☐ Present, read, and interpret data.

☐ Use tally charts, frequency tables, bar charts and pictograms.

☐ Solve 1 and 2-step questions using information in charts and tables.