

# Year 6 Maths

## Autumn medium term planning



| Week 1 – 2 Number: place value                                                    | Week 3 - 7 Number: four operations                                                                  | Week 3 - 7 Number: four operations continued                                         | Week 8 and 12 Number: Fractions                                                       | Week 8 and 12 Number: Fractions continued                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Numbers to 10,000</li> </ul>               | <ul style="list-style-type: none"> <li>Add whole numbers with more than 4 digits</li> </ul>         | <ul style="list-style-type: none"> <li>Division using factors</li> </ul>             | <ul style="list-style-type: none"> <li>Equivalent fractions</li> </ul>                | <ul style="list-style-type: none"> <li>Subtract fractions</li> </ul>                     |
| <ul style="list-style-type: none"> <li>Numbers to 100,000</li> </ul>              | <ul style="list-style-type: none"> <li>Subtract whole numbers with more than 4 digits</li> </ul>    | <ul style="list-style-type: none"> <li>Long division (1)</li> </ul>                  | <ul style="list-style-type: none"> <li>Simplify fractions</li> </ul>                  | <ul style="list-style-type: none"> <li>Mixed addition and subtraction</li> </ul>         |
| <ul style="list-style-type: none"> <li>Numbers to a million</li> </ul>            | <ul style="list-style-type: none"> <li>Inverse operations (addition and subtraction)</li> </ul>     | <ul style="list-style-type: none"> <li>Long division (2)</li> </ul>                  | <ul style="list-style-type: none"> <li>Improper fractions to mixed numbers</li> </ul> | <ul style="list-style-type: none"> <li>Multiply fractions by integers</li> </ul>         |
| <ul style="list-style-type: none"> <li>Numbers to 10 million</li> </ul>           | <ul style="list-style-type: none"> <li>Multi-step addition and subtraction problems</li> </ul>      | <ul style="list-style-type: none"> <li>Long division (3)</li> </ul>                  | <ul style="list-style-type: none"> <li>Mixed numbers to improper fractions</li> </ul> | <ul style="list-style-type: none"> <li>Multiply fractions by fractions</li> </ul>        |
| <ul style="list-style-type: none"> <li>Copy and order any numbers</li> </ul>      | <ul style="list-style-type: none"> <li>Add and subtract integers</li> </ul>                         | <ul style="list-style-type: none"> <li>Long division (4)</li> </ul>                  | <ul style="list-style-type: none"> <li>Fractions on a number line</li> </ul>          | <ul style="list-style-type: none"> <li>Divide fractions by integers (1)</li> </ul>       |
| <ul style="list-style-type: none"> <li>Round numbers to 10, 100, 1,000</li> </ul> | <ul style="list-style-type: none"> <li>Multiply 4-digits by 1-digit</li> </ul>                      | <ul style="list-style-type: none"> <li>Factors</li> </ul>                            | <ul style="list-style-type: none"> <li>Compare and order (denominator)</li> </ul>     | <ul style="list-style-type: none"> <li>Divide fractions by integers (2)</li> </ul>       |
| <ul style="list-style-type: none"> <li>Round any number</li> </ul>                | <ul style="list-style-type: none"> <li>Multiply 2-digits (area model)</li> </ul>                    | <ul style="list-style-type: none"> <li>Common Factors</li> </ul>                     | <ul style="list-style-type: none"> <li>Compare and order (numerator)</li> </ul>       | <ul style="list-style-type: none"> <li>Four rules with fractions</li> </ul>              |
| <ul style="list-style-type: none"> <li>Negative numbers</li> </ul>                | <ul style="list-style-type: none"> <li>Multiply 2-digits by 2-digits</li> </ul>                     | <ul style="list-style-type: none"> <li>Common multiples</li> </ul>                   | <ul style="list-style-type: none"> <li>Add and subtract fractions (1)</li> </ul>      | <ul style="list-style-type: none"> <li>Fraction of an amount</li> </ul>                  |
|                                                                                   | <ul style="list-style-type: none"> <li>Multiply 3-digits by 2-digits</li> </ul>                     | <ul style="list-style-type: none"> <li>Primes to 100</li> </ul>                      | <ul style="list-style-type: none"> <li>Add and subtract fractions (2)</li> </ul>      | <ul style="list-style-type: none"> <li>Fraction of an amount – find the whole</li> </ul> |
|                                                                                   | <ul style="list-style-type: none"> <li>Multiply up to a 4-digit number by 2-digit number</li> </ul> | <ul style="list-style-type: none"> <li>Squares and cubes</li> </ul>                  | <ul style="list-style-type: none"> <li>Add mixed numbers</li> </ul>                   |                                                                                          |
|                                                                                   | <ul style="list-style-type: none"> <li>Divide 4-digits by 1-digit</li> </ul>                        | <ul style="list-style-type: none"> <li>Order of operations</li> </ul>                | <ul style="list-style-type: none"> <li>Add fractions</li> </ul>                       |                                                                                          |
|                                                                                   | <ul style="list-style-type: none"> <li>Divide with remainders</li> </ul>                            | <ul style="list-style-type: none"> <li>Mental calculations and estimation</li> </ul> | <ul style="list-style-type: none"> <li>Subtract mixed numbers</li> </ul>              |                                                                                          |
|                                                                                   | <ul style="list-style-type: none"> <li>Short division</li> </ul>                                    | <ul style="list-style-type: none"> <li>Reason from known facts</li> </ul>            |                                                                                       |                                                                                          |



# Year 6 Maths

## Spring medium term planning

| Week 1 – 3 Number: Multiplication and division                                                                               | Week 4 – 9 Number: Fractions                                                            | Week 4 – 9 Number: Fractions                                                                  | Week 10 – 11 Number: Decimals                                                             |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Multiply 2-digits by 1-digit</li> </ul>                                             | <ul style="list-style-type: none"> <li>• What is a fraction?</li> </ul>                 | <ul style="list-style-type: none"> <li>• Add mixed numbers</li> </ul>                         | <ul style="list-style-type: none"> <li>• Decimals up to 2 d.p</li> </ul>                  |
| <ul style="list-style-type: none"> <li>• Multiply 3-digits by 1-digit</li> </ul>                                             | <ul style="list-style-type: none"> <li>• Equivalent fractions (1)</li> </ul>            | <ul style="list-style-type: none"> <li>• Subtract fractions</li> </ul>                        | <ul style="list-style-type: none"> <li>• Decimals as fractions (1)</li> </ul>             |
| <ul style="list-style-type: none"> <li>• Multiply 4-digits by 1-digit</li> </ul>                                             | <ul style="list-style-type: none"> <li>• Equivalent fractions</li> </ul>                | <ul style="list-style-type: none"> <li>• Subtract mixed numbers</li> </ul>                    | <ul style="list-style-type: none"> <li>• Decimals as fractions (2)</li> </ul>             |
| <ul style="list-style-type: none"> <li>• Multiply 2-digits (area model)</li> </ul>                                           | <ul style="list-style-type: none"> <li>• Fractions greater than 1</li> </ul>            | <ul style="list-style-type: none"> <li>• Subtract – breaking the whole</li> </ul>             | <ul style="list-style-type: none"> <li>• Understand thousandths</li> </ul>                |
| <ul style="list-style-type: none"> <li>• Multiply 2-digits by 2-digits</li> </ul>                                            | <ul style="list-style-type: none"> <li>• Improper fractions to mixed numbers</li> </ul> | <ul style="list-style-type: none"> <li>• Subtract 2 mixed numbers</li> </ul>                  | <ul style="list-style-type: none"> <li>• Thousandths as decimals</li> </ul>               |
| <ul style="list-style-type: none"> <li>• Multiply 3-digits by 2-digits</li> </ul>                                            | <ul style="list-style-type: none"> <li>• Mixed numbers to improper fractions</li> </ul> | <ul style="list-style-type: none"> <li>• Multiply unit fractions by an integer</li> </ul>     | <ul style="list-style-type: none"> <li>• Rounding decimals</li> </ul>                     |
| <ul style="list-style-type: none"> <li>• Multiply 4-digits by 2-digits</li> </ul>                                            | <ul style="list-style-type: none"> <li>• Number sequences</li> </ul>                    | <ul style="list-style-type: none"> <li>• Multiply non-unit fractions by an integer</li> </ul> | <ul style="list-style-type: none"> <li>• Order and compare decimals</li> </ul>            |
| <ul style="list-style-type: none"> <li>• Divide 2-digits by 1-digit (1)</li> <li>• Divide 2-digits by 1-digit (2)</li> </ul> | Compare and order fractions less than 1                                                 | <ul style="list-style-type: none"> <li>• Multiply mixed numbers by integers</li> </ul>        | <ul style="list-style-type: none"> <li>• Understand percentages</li> </ul>                |
| <ul style="list-style-type: none"> <li>• Divide 3-digits by 1-digit</li> </ul>                                               | Compare and order fractions greater than 1                                              | <ul style="list-style-type: none"> <li>• Calculate fractions of a quantity</li> </ul>         | <ul style="list-style-type: none"> <li>• Percentages as fractions and decimals</li> </ul> |
| <ul style="list-style-type: none"> <li>• Divide 4-digits by 1-digit</li> </ul>                                               | Add and subtract fractions                                                              | <ul style="list-style-type: none"> <li>• Fraction of an amount</li> </ul>                     | <ul style="list-style-type: none"> <li>• Equivalent F.D.P.</li> </ul>                     |
| <ul style="list-style-type: none"> <li>• Divide with remainders</li> </ul>                                                   | Add fractions within 1                                                                  | <ul style="list-style-type: none"> <li>• Using fractions as operators</li> </ul>              |                                                                                           |
|                                                                                                                              | Add 3 or more fractions                                                                 |                                                                                               |                                                                                           |
|                                                                                                                              | Add fractions                                                                           |                                                                                               |                                                                                           |

# Year 5 Maths

## Summer medium term planning



| Week 1 – 4 Number: decimals                                                                                        | Week 5 - 7 Geometry: properties of shapes                                                                                      | Week 8 – 9 Geometry: Position and direction                                        | Week 10 - 11 Measurement: Converting units                                      |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Adding decimals within 1</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Identify angles</li> </ul>                                                            | <ul style="list-style-type: none"> <li>• Describe position</li> </ul>              | <ul style="list-style-type: none"> <li>• Kilometres</li> </ul>                  |
| <ul style="list-style-type: none"> <li>• Subtracting decimals within 1</li> </ul>                                  | <ul style="list-style-type: none"> <li>• Compare and order angles</li> </ul>                                                   | <ul style="list-style-type: none"> <li>• Draw on a grid</li> </ul>                 | <ul style="list-style-type: none"> <li>• Kilograms and kilometres</li> </ul>    |
| <ul style="list-style-type: none"> <li>• Complements to 1</li> </ul>                                               | <ul style="list-style-type: none"> <li>• Measure angles in degrees</li> </ul>                                                  | <ul style="list-style-type: none"> <li>• Position in the first quadrant</li> </ul> | <ul style="list-style-type: none"> <li>• Millimetres and millilitres</li> </ul> |
| <ul style="list-style-type: none"> <li>• Adding decimals – crossing the whole</li> </ul>                           | <ul style="list-style-type: none"> <li>• Measuring with a protractor (1)</li> <li>• Measuring with a protractor (2)</li> </ul> | <ul style="list-style-type: none"> <li>• Translation</li> </ul>                    | <ul style="list-style-type: none"> <li>• Metric units</li> </ul>                |
| <ul style="list-style-type: none"> <li>• Adding decimals with the same number of decimal places</li> </ul>         | <ul style="list-style-type: none"> <li>• Drawing lines and angles accurately</li> </ul>                                        | <ul style="list-style-type: none"> <li>• Translation with coordinates</li> </ul>   | <ul style="list-style-type: none"> <li>• Imperial units</li> </ul>              |
| <ul style="list-style-type: none"> <li>• Subtracting decimals with the same number of decimal places</li> </ul>    | <ul style="list-style-type: none"> <li>• Calculating angles on a straight line</li> </ul>                                      | <ul style="list-style-type: none"> <li>• Lines of symmetry</li> </ul>              | <ul style="list-style-type: none"> <li>• Converting units of time</li> </ul>    |
| <ul style="list-style-type: none"> <li>• Adding decimals with a different number of decimal places</li> </ul>      | <ul style="list-style-type: none"> <li>• Calculating angles around a point</li> </ul>                                          | <ul style="list-style-type: none"> <li>• Complete a symmetric figure</li> </ul>    | <ul style="list-style-type: none"> <li>• Timetables</li> </ul>                  |
| <ul style="list-style-type: none"> <li>• Subtracting decimals with a different number of decimal places</li> </ul> | <ul style="list-style-type: none"> <li>• Triangles</li> </ul>                                                                  | <ul style="list-style-type: none"> <li>• Reflection</li> </ul>                     |                                                                                 |
| <ul style="list-style-type: none"> <li>• Adding and subtracting wholes and decimals</li> </ul>                     | <ul style="list-style-type: none"> <li>• Quadrilaterals</li> </ul>                                                             | <ul style="list-style-type: none"> <li>• Reflection with coordinates</li> </ul>    |                                                                                 |
| <ul style="list-style-type: none"> <li>• Decimal sequences</li> </ul>                                              | <ul style="list-style-type: none"> <li>• Calculating lengths and angles in shapes</li> </ul>                                   |                                                                                    |                                                                                 |
| <ul style="list-style-type: none"> <li>• Multiplying decimals by 10, 100 and 1,000</li> </ul>                      | <ul style="list-style-type: none"> <li>• Regular and irregular polygons</li> </ul>                                             |                                                                                    |                                                                                 |
| <ul style="list-style-type: none"> <li>• Dividing decimals by 10, 100 and 1,000</li> </ul>                         | <ul style="list-style-type: none"> <li>• Reasoning about 3-D shapes</li> </ul>                                                 |                                                                                    |                                                                                 |