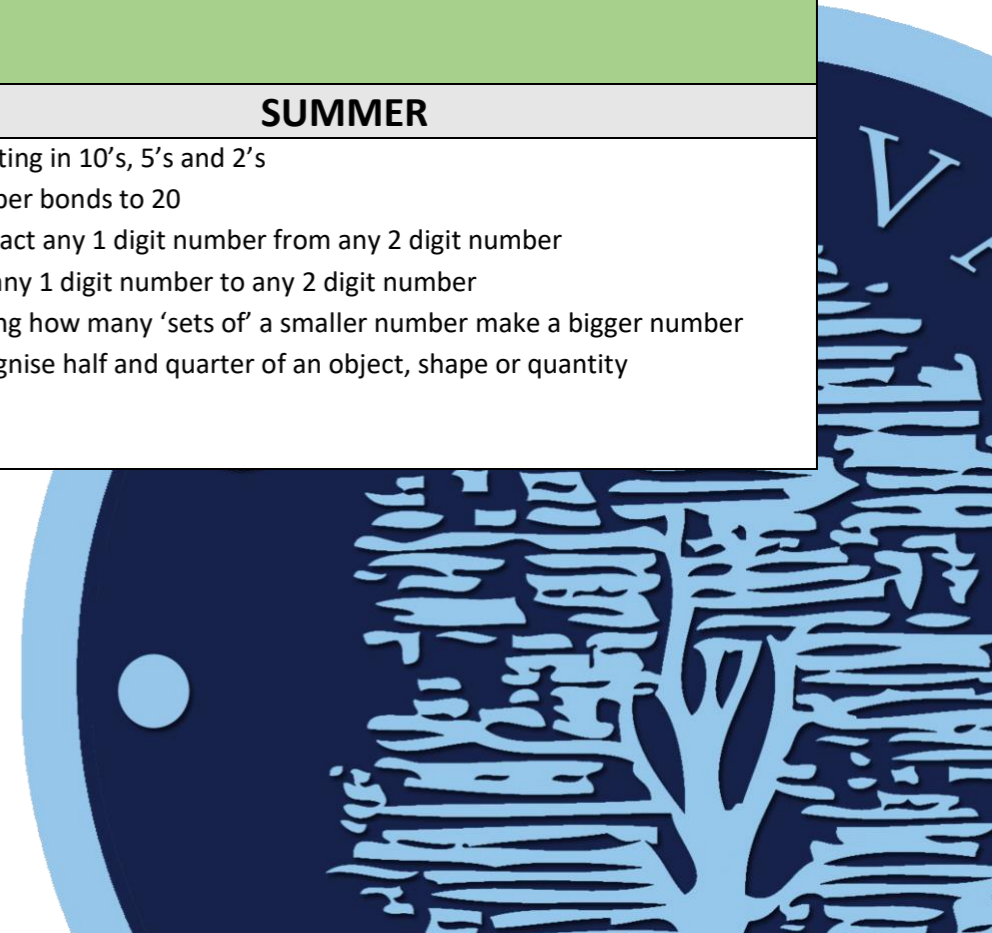


# Maths Long Term Overview

## Year 1

|        | WK1                                 | WK2  | WK3               | WK4                             | WK5  | WK6                              | WK7                            | WK8                | WK9                            | WK10                            | WK11 | WK12 | Problem Solving and Reasoning Week |
|--------|-------------------------------------|--|-------------------|---------------------------------|--|----------------------------------|--------------------------------|--------------------|--------------------------------|---------------------------------|------|------|------------------------------------|
| AUTUMN | Transition                          | Number: Place Value (within 10)              |                   |                                 | Number: Addition and Subtraction (within 10) |                                  |                                |                    | Geometry: Shape                | Number: Place Value (within 20) |      |      |                                    |
| SPRING | Recap Place Value (within 20)       | Number: Addition and Subtraction (within 20) |                   | Number: Place Value (within 50) |  |                                  | Measurement: Length and Height |                    | Measurement: Weight and Volume |                                 |      |      |                                    |
| SUMMER | Number: Multiplication and Division |  | Number: Fractions |                                 | Geometry: Position and Direction             | Number: Place Value (within 100) |                                | Measurement: Money | Measurement: Time              |                                 |      |      |                                    |

| Mental Arithmetic Progression   |  |  |
|---|--|--|
| <i>Through two ½ hour sessions or four 15 min sessions per week</i>   |  |  |
| AUTUMN  | SPRING   | SUMMER   |
| <ul style="list-style-type: none"> <li>- Add within 5</li> <li>- Subtract within 5</li> <li>- Add and Subtract within 5</li> <li>- Number bonds to 10</li> <li>- Adding within 10</li> <li>- Subtract within 10</li> <li>- Add and Subtract 1 to a 2 digit number.</li> <li>- Counting forwards and backwards.</li> </ul> | <ul style="list-style-type: none"> <li>- Counting in 10's, 5's and 2's</li> <li>- Know halves of even numbers to 20</li> <li>- Know doubles to 10</li> <li>- Add and subtract 10 to a 2 digit number</li> <li>- Add 3 single digit number together</li> <li>- Use language of day, week, month and year. Tell time to hour and half past.</li> <li>- Addition and subtraction facts</li> </ul> | <ul style="list-style-type: none"> <li>- Counting in 10's, 5's and 2's</li> <li>- Number bonds to 20</li> <li>- Subtract any 1 digit number from any 2 digit number</li> <li>- Add any 1 digit number to any 2 digit number</li> <li>- Finding how many 'sets of' a smaller number make a bigger number</li> <li>- Recognise half and quarter of an object, shape or quantity</li> </ul> |

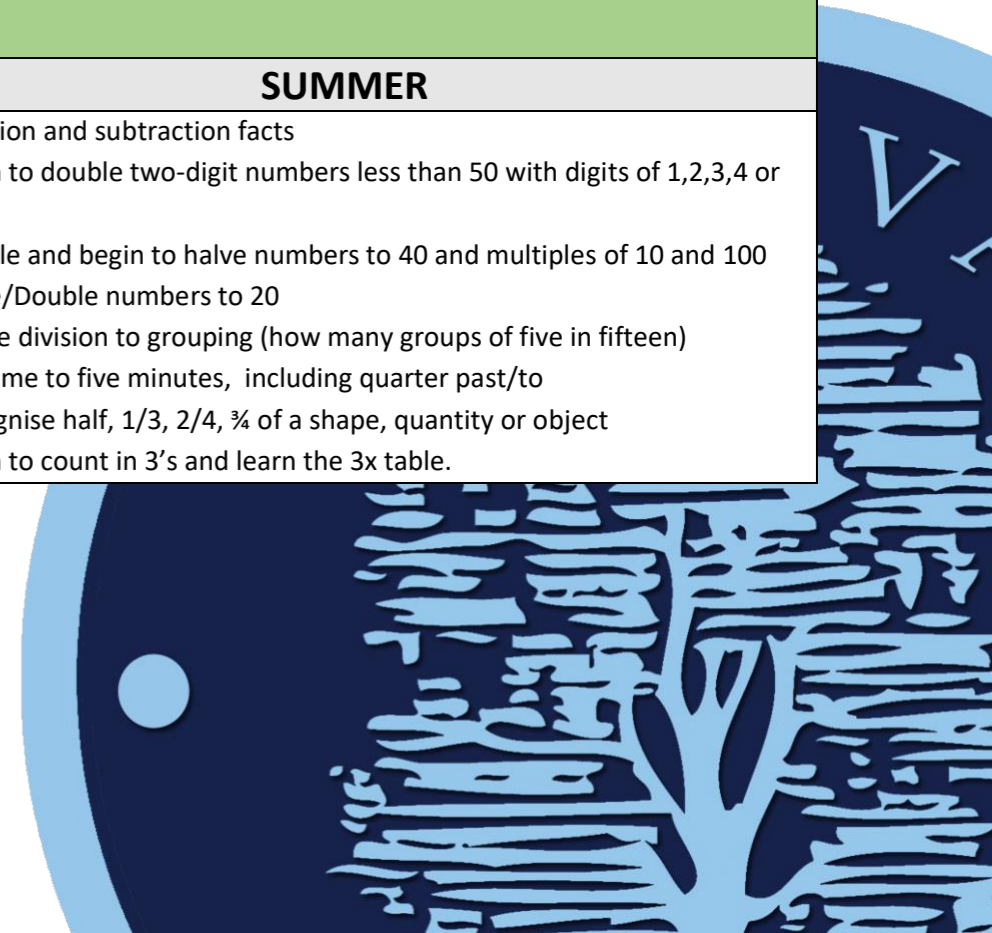


# Maths Long Term Overview

## Year 2

|        | WK1                                 | WK2                              | WK3 | WK4   | WK5 | WK6 | WK7               | WK8  | WK9                | WK10  | WK11 | WK12 | Problem Solving and Reasoning Week |
|--------|-------------------------------------|----------------------------------|-----|---|-----|-----|-------------------|--|--------------------|---|------|------|------------------------------------|
| AUTUMN | Number: Place Value (within 100)    |                                  |     | Number: Addition and Subtraction (build up to adding and subtracting two 2 digit numbers) |     |     |                   | Number: Multiplication and Division (Counting in 2,5,10 and 3's) | Measurement: Money | Number: Multiplication and Division (Groups and arrays) |      |      |                                    |
| SPRING | Number: Multiplication and Division |                                  |     | Number: Fractions   |     |     | Measurement: Time | Geometry: Properties of shape                                    | Consolidation      |   |      |      |                                    |
| SUMMER | Measurement: Length and Height      | Geometry: Position and Direction |     | Measurement: Mass, Capacity and Temperature   |     |     | Statistics        | Consolidation  |                    |   |      |      |                                    |

| Mental Arithmetic Progression   |   |  |
|---|---|--|
| Through two ½ hour sessions or four 15 min sessions per week  |   |  |
| AUTUMN  | SPRING  | SUMMER   |
| <ul style="list-style-type: none"> <li>- Addition and subtraction facts</li> <li>- Count in 2's, 5's and 10's – beginning to see lots of</li> <li>- Add any pair of 2 digit numbers</li> <li>- Add and subtract multiples of 10 to any give 2-digit number</li> <li>- Say 10 more/less than any number to 100</li> <li>- Add two or three single digit numbers</li> <li>- Know all the pairs of numbers to 10, 12 and pairs with total of 20</li> <li>- Count on and back in ones and tens from any given 2 – digit number</li> </ul> | <ul style="list-style-type: none"> <li>- Addition and subtraction facts</li> <li>- Learn 2x, 5x, and 10x table (looking at lots of)</li> <li>- Double numbers up to 20</li> <li>- Using fingers, say where a given number is in the 2s, 5s or 10s count (e.g. 8 is the fourth number when I count in twos)</li> <li>- Count in 2s, 5s, and 10s</li> <li>- Subtract any pair of 2-digit numbers by counting back in tens and ones or by counting up</li> </ul> | <ul style="list-style-type: none"> <li>- Addition and subtraction facts</li> <li>- Begin to double two-digit numbers less than 50 with digits of 1,2,3,4 or 5</li> <li>- Double and begin to halve numbers to 40 and multiples of 10 and 100</li> <li>- Halve/Double numbers to 20</li> <li>- Relate division to grouping (how many groups of five in fifteen)</li> <li>- Tell time to five minutes, including quarter past/to</li> <li>- Recognise half, 1/3, 2/4, ¾ of a shape, quantity or object</li> <li>- Begin to count in 3's and learn the 3x table.</li> </ul> |

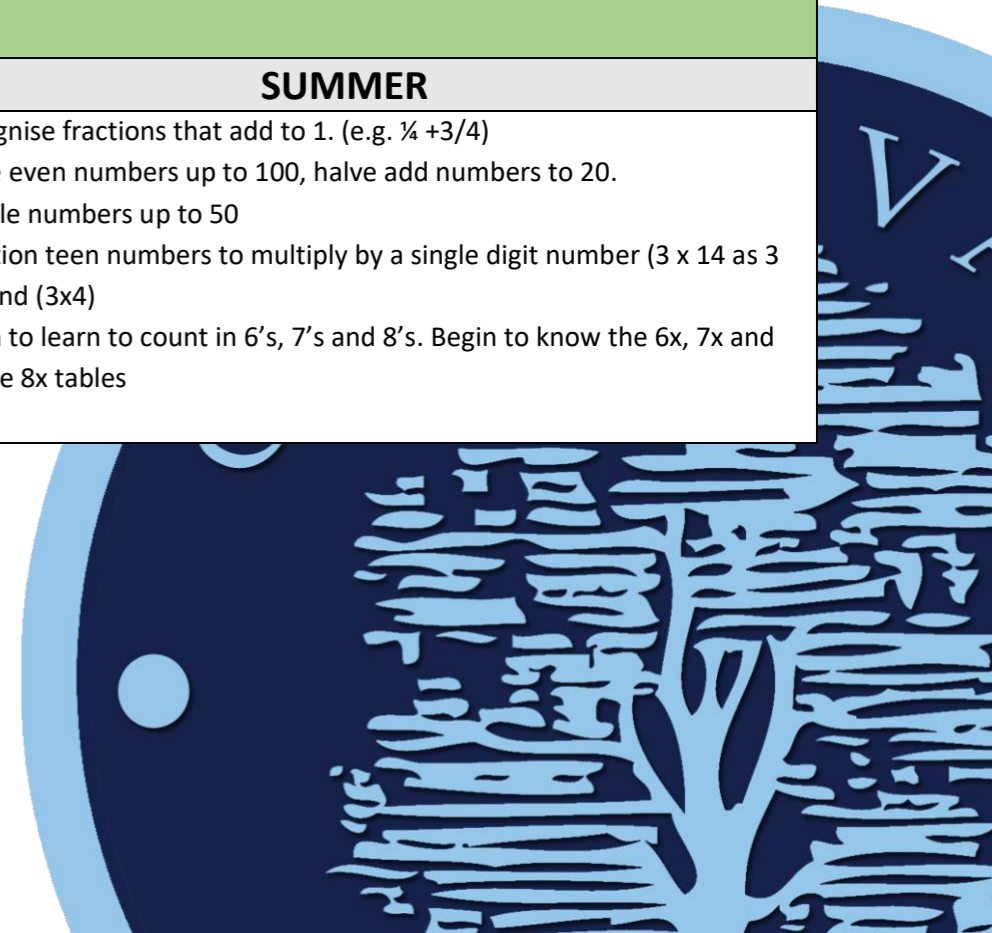


# Maths Long Term Overview

## Year 3

|        | WK1                                 | WK2 | WK3                | WK4                              | WK5 | WK6                               | WK7 | WK8                                 | WK9               | WK10 | WK11          | WK12 | Problem Solving and Reasoning Week |
|--------|-------------------------------------|-----|--------------------|----------------------------------|-----|-----------------------------------|-----|-------------------------------------|-------------------|------|---------------|------|------------------------------------|
| AUTUMN | Number: Place Value                 |     |                    | Number: Addition and Subtraction |     |                                   |     | Number: Multiplication and Division |                   |      |               |      |                                    |
| SPRING | Number: Multiplication and Division |     | Measurement: Money | Statistics                       |     | Measurement: Length and Perimeter |     |                                     | Number: Fractions |      |               |      |                                    |
| SUMMER | Number: Fractions                   |     | Measurement: Time  |                                  |     | Geometry: Properties of Shape     |     | Measurement: Mass and Capacity      |                   |      | Consolidation |      |                                    |

| Mental Arithmetic Progression  |  |   |
|--|--|---|
| Through two ½ hour sessions or four 15 min sessions per week   |  |   |
| AUTUMN   | SPRING   | SUMMER  |
| <ul style="list-style-type: none"> <li>- Use place value and number facts to add and subtract numbers</li> <li>- Subtract by counting up</li> <li>- Learn to count in 3's and 4's and know the 3x and 4x table.</li> <li>- Add and subtract any two digit numbers by counting on in 10s and 1s or by using partitioning</li> <li>- Perform place value subtractions without a struggle (536-30=506)</li> <li>- Know multiples of 10 with a total of 100</li> <li>- Know pairs with each total to 20</li> </ul> | <ul style="list-style-type: none"> <li>- Find 10 or 100 more/less than a given number. Count on in 50's from 0</li> <li>- Tell the time to the nearest minute using 12 and 24 hour clocks, know the number of days in a month.</li> <li>- Subtract, when appropriate, by counting back or taking away, using place value and number facts</li> <li>- Continue practise of 3's and 4's.</li> <li>- Learn to count in 8's and begin to learn 9x and 8x table</li> <li>- Add and subtract pairs of 'friendly' 3 digit numbers, e.g. 230 +450</li> </ul> | <ul style="list-style-type: none"> <li>- Recognise fractions that add to 1. (e.g. ¼ +3/4)</li> <li>- Halve even numbers up to 100, halve odd numbers to 20.</li> <li>- Double numbers up to 50</li> <li>- Partition teen numbers to multiply by a single digit number (3 x 14 as 3 x10 and (3x4)</li> <li>- Begin to learn to count in 6's, 7's and 8's. Begin to know the 6x, 7x and secure 8x tables</li> </ul> |



# Maths Long Term Overview

## Year 4

|        | WK1                                 | WK2 | WK3               | WK4                           | WK5                              | WK6               | WK7 | WK8                               | WK9                              | WK10                                | WK11          | WK12 | Problem Solving and Reasoning Week |
|--------|-------------------------------------|-----|-------------------|-------------------------------|----------------------------------|-------------------|-----|-----------------------------------|----------------------------------|-------------------------------------|---------------|------|------------------------------------|
| AUTUMN | Number: Place Value                 |     |                   |                               | Number: Addition and Subtraction |                   |     | Measurement: Length and Perimeter |                                  | Number: Multiplication and Division |               |      |                                    |
| SPRING | Number: Multiplication and Division |     | Measurement: Area | Geometry: Properties of Shape |                                  | Number: Fractions |     |                                   |                                  | Number: Decimals                    |               |      |                                    |
| SUMMER | Number: Decimals                    |     |                   | Measurement: Money            |                                  | Measurement: Time |     | Statistics                        | Geometry: Position and Direction |                                     | Consolidation |      |                                    |

### Mental Arithmetic Progression

Through two ½ hour sessions or four 15 min sessions per week

| AUTUMN  | SPRING   | SUMMER  |
|---|--|---|
| <ul style="list-style-type: none"> <li>- Find 1000 more/less than a given number.</li> <li>- Add and subtract £1, 10p and 1p to amounts of money.</li> <li>- Know the 3x, 4x and 8x table. Apply and investigate. Know associated division facts.</li> <li>- Learn to count in 6's and 9's and learn 6x and 9x table and relevant division facts</li> <li>- Know by heart, quickly derive number bonds to 100 and £1</li> <li>- Add and subtract any two 2 digit numbers by partitioning or counting on</li> <li>- Read Roman numerals to 100.</li> </ul> | <ul style="list-style-type: none"> <li>- Read and compare and convert between analogue/digital 12/24 hr clocks.</li> <li>- Count up/ down in tenths and hundredths</li> <li>- Multiply mentally one digit by two-digit numbers</li> <li>- Continue to practise times tables (3, 4, 8, 6, 9)</li> <li>- Learn to count in 7's and 11's and learn 9x and 11x table and relevant division facts</li> <li>- Find change from £10, £20 and £50</li> <li>- Count in multiples of 25</li> </ul> | <ul style="list-style-type: none"> <li>- Begin to double and halve amounts of money (£35.60 doubles = £71.20)</li> <li>- Count up/down in hundredths</li> <li>- Continue to practise times tables (3, 4, 6, 7, 8, 9, 11)</li> <li>- Learn to count in 12's learn 12x table and relevant division facts</li> <li>- Count in 7s and 9's. Know 6x and 8x tables and relevant division facts</li> <li>- Partition 2-digit numbers to multiply by a single –digit number mentally (4 x 24 as 4 x 20 and 4 x 4)</li> <li>- Use understanding of place value and number facts in mental multi and division (36 x 5 is half of 36 x 10 and 50 x 60 = 3000 or 245 ÷ 20 is double 245 ÷ 10)</li> <li>- Divide multiples of 100 by 1-digit numbers using division facts (3200 ÷ 8= 400)</li> </ul> |

# Maths Long Term Overview

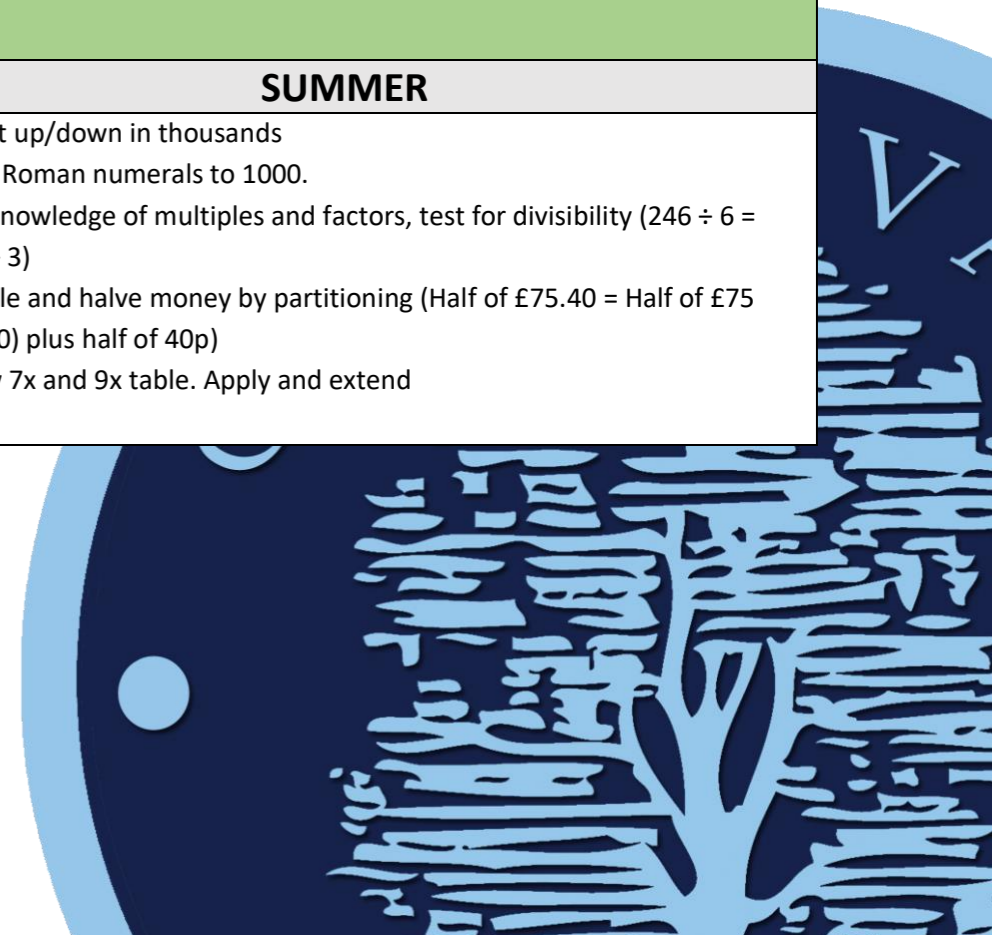
## Year 5

|        | WK1                                 | WK2 | WK3 | WK4                              | WK5 | WK6        | WK7                              | WK8                                 | WK9                                      | WK10                             | WK11                            | WK12          | Problem Solving and Reasoning Week |
|--------|-------------------------------------|-----|-----|----------------------------------|-----|------------|----------------------------------|-------------------------------------|--|----------------------------------|---------------------------------|---------------|------------------------------------|
| AUTUMN | Number: Place Value                 |     |     | Number: Addition and Subtraction |     | Statistics |                                  | Number: Multiplication and Division |  |                                  | Measurement: Perimeter and Area |               |                                    |
| SPRING | Number: Multiplication and Division |     |     | Number: Fractions                |     |            |                                  |                                     |  | Number: Decimals and Percentages |                                 |               |                                    |
| SUMMER | Number: Decimals                    |     |     | Geometry: Properties of Shape    |     |            | Geometry: Position and Direction |                                     | Measurement: Converting Units of Measure |                                  | Measurement Volume and Capacity | Consolidation |                                    |

### Mental Arithmetic Progression

Through two ½ hour sessions or four 15 min sessions per week

| AUTUMN  | SPRING   | SUMMER  |
|---|--|---|
| <ul style="list-style-type: none"> <li>- Use place value and number facts to add two or more friendly numbers including money and decimals (e.g. <math>3+4+8+6+7</math>, <math>0.6+0.4+0.7</math>)</li> <li>- Add and subtract decimal numbers which are near multiples of 1 or 10 including money (e.g. <math>£6.34-1.99</math> or <math>£34.59-£19.95</math>)</li> <li>- Practise multiplication tables and division facts to 12x tables</li> <li>- Add to the next 10 from a decimal number (e.g. <math>13.6 + 6.4 = 20</math>).</li> <li>- Know number bonds to 1 and to the next whole number</li> </ul> | <ul style="list-style-type: none"> <li>- Use doubling and halving as mental division/multi strategies (<math>58 \times 5 =</math> half of <math>58 \times 10</math>)</li> <li>- Use knowledge of factors and multiples in multiplication e.g. (<math>43 \times 6</math> is double <math>43 \times 3</math> and <math>28 \times 50</math> is half of <math>28 \times 100 = 1400</math>)</li> <li>- Identify all multiples and factors including finding all factor pairs.</li> <li>- Know all times tables. Apply and extend</li> <li>- Know square numbers and square roots up to 144.</li> <li>- Recall prime numbers up to 19</li> </ul> | <ul style="list-style-type: none"> <li>- Count up/down in thousands</li> <li>- Read Roman numerals to 1000.</li> <li>- Use knowledge of multiples and factors, test for divisibility (<math>246 \div 6 = 123 \div 3</math>)</li> <li>- Double and halve money by partitioning (Half of <math>£75.40 =</math> Half of <math>£75</math> (<math>37.50</math>) plus half of 40p)</li> <li>- Know 7x and 9x table. Apply and extend</li> </ul> |



# Maths Long Term Overview

## Year 6

|        | WK1                                  | WK2 | WK3   | WK4 | WK5                        | WK6/7           | WK8                                      | WK9                                     | WK10       | WK11                             | WK12                          | Problem Solving and Reasoning Week |
|--------|--------------------------------------|-----|---|-----|----------------------------|-----------------|--|---|------------|----------------------------------|-------------------------------|------------------------------------|
| AUTUMN | Number: Place Value                  |     | Number: Four Operations                     |     |                            |                 | Number: Fractions                        |   |            |                                  | Geometry: Properties of Shape |                                    |
| SPRING | Number: Decimals (cont. Shape)       |     | Number: Fractions, Decimals and Percentages |     | Number: Ratio              | Number: Algebra | Measurement: Converting Units of Measure | Measurement: Perimeter, Area and Volume | Statistics | Geometry: Position and Direction |                               |                                    |
| SUMMER | Revision and Focus on specific areas |     |   |     | Consolidation and Projects |                 |  |   |            |                                  |                               |                                    |

| Mental Arithmetic Progression   |   |  |
|---|---|--|
| Through two ½ hour sessions or four 15 min sessions per week  |   |  |
| AUTUMN  | SPRING  | SUMMER   |
| <ul style="list-style-type: none"> <li>Add two 1-place decimal numbers or two 2-place decimal numbers less than 1 (<math>4.5 + 6.5</math> or <math>0.74 + 0.33</math>)</li> <li>Count forward and backward with positive and negative numbers through zero.</li> <li>Know all multiplication tables to 12x. Apply and extend</li> <li>Derive quickly and without difficulty, number bonds to 1000</li> <li>Use number bonds to 1 and 10 to perform mental subtraction of any pair of one-place</li> </ul> | <ul style="list-style-type: none"> <li>Use divisibility tests to aid mental calculation</li> <li>Use place value and number facts in mental multi (<math>40,000 \times 6 = 24,000</math>)</li> <li>Identify common factors, common numbers and prime numbers and use factors in mental division (<math>438 \div 6</math> is <math>219 \div 3</math>)</li> <li>Identify common factors, common numbers and prime numbers and use factors in mental multiplication (e.g <math>326 \times 6</math> is <math>652 \times 3</math>)</li> <li>Know by heart all multiplication and division facts up to 12 x 12. Apply and extend</li> <li>Add positive number to negative numbers (e.g calculate a rise in temp)</li> </ul> | <ul style="list-style-type: none"> <li>Halve and double decimal numbers with up to 2 places using partitioning e.g <math>36.73</math> doubled is double 36 plus double 0.73)</li> <li>Know by heart all multiplication and division facts up to 12 x 12. Apply and extend</li> <li>Use rounding in mental multiplication (<math>34 \times 19</math> as <math>(20 \times 34) - 34</math>)</li> <li>Use doubling and halving as a mental division and multiplication strategy. E.g to divide by 2,4,8,5,20 and 25 (<math>628 \div 8</math> is halved three times) (<math>28 \times 25</math> is <math>\frac{1}{4}</math> of <math>28 \times 100 = 700</math>)</li> </ul> |

