

Year 4 Maths – Autumn 2

Counting

- Count in multiples of 3, 4, 6, 7, 8 and 9.

Learning Challenge links

LC – compare daylight hours in Antarctica and Eastern Europe

Non-negotiables:

- Recall multiplication facts from the previous year group
- Add using the column method (more than one exchange)
- Subtract using the column method (more than one exchange)

Geometry - perimeter

- To understand the concept of km
- Add and subtract lengths
- Measure perimeter
- Perimeter on a grid
- calculate the perimeter of a rectangle
- calculate the perimeter of a rectilinear shape in m and cm.
- To solve problems relating to perimeter

Multiplication and division

- Multiplying by multiples of 10 and 100.
Dividing by multiples of 10 and 100.
- Multiplying by 0 and 1 and dividing by 1.
- Multiplying and dividing by 6 and the 6 times table
- Multiplying and dividing by 9 and the 9 times table
- Multiplying and dividing by 7 and the 7 times table

Addition and Subtraction

- Subtract two 4-digit numbers with more than one exchange
- Use efficient methods for subtraction
- Estimate answers
- Use checking strategies

Exceeding Expectations

Challenge activities for each objective (power maths challenge, deepening understanding, white rose small steps)

Maths –Weekly

morning maths: MyMiniMaths week 1 addition column method

Week 1 : addition and subtraction

subtract two 4-digit numbers, more than one exchange, efficient subtraction, estimate answers

morning maths: MyMiniMaths week 2 – subtraction column method

Week 2: addition and subtraction/measurement: length and perimeter.

Checking strategies, equivalent lengths – m and cm/mm and cm, kilometres, add and subtract lengths

morning maths: MyMiniMaths week 5 – 1000 more and less

Week 3: length and perimeter

Measure perimeter, perimeter on a grid, perimeter of a rectangle, perimeter of rectilinear shapes

morning maths: MyMiniMaths week 6 – multiples of 6,7, 9, 25, 1000

Week 4: multiplication and division

Multiply by 10, multiply by 100, divide by 10, divide by 100

morning maths: MyMiniMaths week 7 – recognise any digit in 4-digit number

Week 5: multiplication and division

Multiply by 1 and 0, divide by 1 and itself, multiply and divide by 6, 6 times-table and division facts

morning maths: MyMiniMaths week 8 – measure perimeter of rectangles and squares and 9 – order and compare numbers beyond 1000

Week 6 and 7: multiplication and division/Christmas maths

Multiply and divide by 9, 9 times-table and division facts, multiply and divide by 7, 7 times-table and division

Times table focus: 3 and 6

M **counting 3, 6** Rock Stars Garage

T **counting 25s**

W **counting 3, 6** Rock Stars Soundcheck

Th **counting 3, 6** Rock Stars Studio

Fr **counting time**

Times table focus: 4 and 7

M **counting 4, 7** Rock Stars Garage

T **counting 10s, 100s, 1000s**

W **counting 4, 7** Rock Stars Soundcheck

Th **counting 4, 7** Rock Stars Studio

Fr **counting decimals 0.1/0.01**

Times table focus: 6 and 11

M **counting 6, 11** Rock Stars Garage

T **counting 25s and 50s**

W **counting 6, 11** Rock Stars Soundcheck

Th **counting 6, 11** Rock Stars Studio

Fr **counting fractions 1/10**

Times table focus: 8 and 12

M **counting 8, 12** Rock Stars Garage

T **counting fractions: halves and quarters**

W **counting 2, 4, 8** Rock Stars Soundcheck

Th **counting 8, 12** Rock Stars Studio

Fr **counting negative numbers**

Times table focus: 3, 4, 6

M **counting 3, 4, 6** Rock Stars Garage

T **counting 10s, 100s, 1000s**

W **counting 3, 4, 6** Rock Stars Soundcheck

Th **counting 3, 4, 6** Rock Stars Studio

Fr **counting time**

Times table focus: 7, 8, 9

M **counting 7, 8, 9** Rock Stars Garage

T **counting fractions: thirds and fifths**

W **counting 7, 8, 9** Rock Stars Soundcheck

Th **counting 7, 8, 9** Rock Stars Studio

Fr **counting decimals/fractions 0.1 and 1/10**