

Year 4 Maths – Summer 2

Counting

- Count in multiples of 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
- Count in 10s, 100s, 1000s
- Count in 25s and 50s
- Count in 0.1, 0.01
- Count back through zero

Non-negotiables:

- Recall multiplication facts for all times tables up to 12×12
- Multiply using the formal column method
- Divide using partitioning or the bus stop method

Properties of shape

- Identify three different types of triangles. Understand the properties of scalene, isosceles and equilateral triangles
- Describe and identify quadrilaterals, recognising their similarities and differences. Classify and compare them
- Solve shape problems and puzzles
- Explore reflective symmetry and identify lines of symmetry within regular and irregular polygons. Identify lines of symmetry within and outside shapes. Complete symmetric patterns and shapes

Statistics

- Interpret charts – bar charts, tables and pictograms with larger numbers and a wider range of scales
- Comparison, sum and difference – answer increasing complex problems
- Introduce line graphs – read values from a line graph
- Line graphs – make statements and comparisons based on data presented in line graphs

Time

- Convert understand equivalence between different units of time
- Know the equivalence between days, weeks, months, years
- Convert between analogue and digital time
- Convert between 12-hour and 24-hour time on analogue and digital clocks
- Solve problems involving units of time

Position and direction

- Describe relative positions using coordinates in the first quadrant
- Draw on a grid – use coordinates to plot points in the first quadrant and construct simple shapes by plotting their vertices
- Move on a grid – carry out simple translation on a coordinate grid following instructions left/right and up/down
- Describe movement on a grid – work out the translation needed to move from one position on the coordinate grid to another

Learning Challenge links

Geography – Settlements:

Read and create maps with symbols and keys. Understand and use 4-figure grid references.

Exceeding Expectations

Challenge activities for each objective (deepening understanding, white rose deeper questions)

Maths –Weekly

morning maths: my mini maths week 24 reflecting a pattern in a mirror line

Week 1: time

Hours, minutes and seconds, years, months, weeks and days

morning maths: my mini maths week 32 calculate the area and perimeter of rectangles and squares

Week 2: time/statistics

Analogue to digital 12-hour clock, analogue to digital 24-hour clock, interpret charts

morning maths: my mini maths week 33 describe the translation of a shape

Week 3: statistics

Comparison, sum and difference, introducing line graphs, analysing line graphs.

morning maths: my mini maths week 18 reading information from bar charts

Week 4: properties of shape

Identify angles, compare and order angles, triangles, quadrilaterals

morning maths: my mini maths week 11 identify and compare acute and obtuse angles

Week 5: properties of shape/position and direction

Lines of symmetry, complete a symmetric figure, describe position, draw on a grid

morning maths: my mini maths week 17 compare the properties of quadrilaterals

Week 6: position and direction/revision

Move on a grid, describe movement on a grid + revision: multiplication and division

morning maths: my mini maths week 14 read and write coordinates in the first quadrant

Week 7: revision

Revision: multiplication and division

Times table focus: all

M counting ALL TABLES

T counting ALL TABLES

W counting ALL TABLES

Th counting time Rock Stars Studio

Fr counting time

Times table focus: all

M counting on and back in 10s, 100s, 1000s Rock Stars Garage

T counting on and back in 10s, 100s, 1000s

W counting on and back in 10s, 100s, 1000s

Th counting 25s starting from say 20. Rock Stars Studio

Fr counting in 6s incl. negative numbers

Times table focus: all

M counting in 1000s from say 19,357 Rock Stars Garage

T counting on and back in 10s from say 59, 304, 1000

W counting back in 3s from say 8

Th counting back in 8s from say 3 Rock Stars Studio

Fr counting back through zero

Times table focus: all

M counting all times tables Rock Stars Garage

T counting all time tables

W counting back in 3s from say 8

Th counting back in 8s from say 3 Rock Stars Studio

Fr counting back through zero

Times table focus: all

M counting in 0.1 and 0.01 Rock Stars Garage

T counting in 0.1 and 0.01

W counting in 25s and 50s

Th counting in multiples of 3, 4, 5 not starting on a multiple Rock Stars Studio

Fr counting time

Times table focus: all

M counting in 0.1 and 0.01 Rock Stars Garage

T counting in 0.1 and 0.01

W counting in 25s and 50s

Th counting in multiples of 3, 4, 5 not starting on a multiple Rock Stars Studio

Fr counting time

Times table focus: all

M counting in 0.1 and 0.01 Rock Stars Garage

T counting in 0.1 and 0.01

W counting in 25s and 50s

Th counting in multiples of 3, 4, 5 not starting on a multiple Rock Stars Studio