

Addition and Subtraction (1)

Small Steps

- ▀ Properties of addition and subtraction
- Mental strategies for addition and subtraction
- ▀ Use formal methods for addition of integers
- Use formal methods for addition of decimals
- ▀ Use formal methods for subtraction of integers
- Use formal methods for subtraction of decimals
- ▀ Choose the most appropriate method: mental strategies, formal written or calculator
- Solve problems in the context of perimeter
- ▀ Solve financial maths problems

Addition and Subtraction (2)

Small Steps

- ▶ Solve problems involving tables and timetables
- ▶ Solve problems with frequency trees
- ▶ Solve problems with bar charts and line charts
- ▶ Add and subtract numbers given in standard form

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H denotes higher strand and not necessarily content for Higher Tier GCSE

Multiplication and Division (1)

Small Steps

- ▀ Properties of multiplication and division
- Understand and use factors
- ▀ Understand and use multiples
- Multiply and divide integers and decimals by powers of 10
- ▀ Multiply by 0.1 and 0.01
- Convert metric units
- ▀ Use formal methods to multiply integers
- Use formal methods to multiply decimals
- ▀ Use formal methods to divide integers
- Use formal methods to divide decimals

Multiplication and Division (2)

Small Steps

- Understand and use order of operations
- Solve problems using the area of rectangles and parallelograms
- Solve problems using the area of triangles
- Solve problems using the area of trapezia** H
- Solve problems using the mean
- Solve problems involving fractions of amounts
- Solve problems involving percentages of amounts
- Explore multiplication and division in algebraic expressions** H

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