

Year 5 Maths Small Steps
Follow Calculation Policy

Place Value

- Roman numerals to 1,000
- Numbers to 10,000
- Numbers to 100,000
- Numbers to 1,000,000
- Read and write numbers to 1,000,000
- Powers of 10
- 10/100/1,000/10,000/100,000 more or less
- Partition numbers to 1,000,000
- Number line to 1,000,000
- Compare and order numbers to 100,000
- Compare and order numbers to 1,000,000
- Round to the nearest 10, 100 or 1,000
- Round within 100,000
- Round within 1,000,000

Converting Units

- Kilograms and kilometres
- Millimetres and millilitres
- Convert units of length
- Convert between metric and imperial units
- Convert units of time
- Calculate with timetables

Statistics

- Draw line graphs
- Read and interpret line graphs
- Read and interpret tables Two-way tables
- Read and interpret timetables

Position & Direction

- Read and plot coordinates
- Problem solving with coordinates
- Translation
- Translation with coordinates
- Lines of symmetry
- Reflection in horizontal and vertical lines

Addition & Subtraction -

- Mental strategies
- Add whole numbers with more than 4 digits
- Subtract whole numbers with more than four digits
- Round to check answers
- Inverse operations (addition and subtraction)
- Multistep addition/subtraction problem
- Compare calculation
- Find missing number

Follow Calculation Policy

Decimals

- Use known facts to add and subtract decimals within 1
- Complements to 1
- Add and subtract decimals across 1
- Add decimals with the same number decimal places
- Subtract decimals with the same number of decimal places
- Add decimals with different number decimal places
- Subtract decimals with different nu of decimal places
- Efficient strategies for adding and subtracting decimals
- Decimal sequences
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000 Multiply and divide decimals – missing values

Decimals & Percentages

- Decimals up to 2 decimal places
- Equivalent fractions and decimals (tenths)
- Equivalent fractions and decimals (hundredths)
- Equivalent fractions and decimals
- Thousandths as fractions

Fractions A

- Find fractions equivalent to a unit fraction
- Find fractions equivalent to a non-unit fraction
- Recognise equivalent fractions
- Convert improper fractions to mixed numbers
- Convert mixed numbers to improper fractions
- Compare fractions less than 1
- Order fractions less than 1
- Compare and order fractions greater than 1
- Add and subtract fractions with the same denominator
- Add fractions within 1
- Add fractions with total greater than 1
- Add to a mixed number
- Add two mixed numbers
- Subtract fractions
- Subtract from a mixed number
- Subtract from a mixed number – breaking the whole
- Subtract two mixed numbers

Fractions B

- Multiply a unit fraction by an integer
- Multiply a non-unit fraction by an integer
- Multiply a mixed number by an integer
- Calculate a fraction of a quantity
- Fraction of an amount
- Find the whole
- Use fractions as operator

Multiplication & Division

- Multiples
- Common multiples
- Factors
- Common factors
- Prime numbers
- Square numbers

Shape - Understand and use degrees - Classify angles - Estimate angles - Measure angles up to 180° - Draw lines and angles accurately - Calculate angles around a point - Calculate angles on a straight line - Lengths and angles in shapes - Regular and irregular polygons - 3-D shapes Perimeter & Area - Perimeter of rectangles - Perimeter of rectilinear shapes - Perimeter of polygons - Area of rectangles - Area of compound shapes - Estimate area	- Thousandths as decimals - Thousandths on a place value chart - Order and compare decimals (same number of decimal places) - Order and compare any decimals with up to 3 decimal places - Round to the nearest whole number - Round to 1 decimal place - Understand percentages - Percentages as fractions - Percentages as decimals - Equivalent fractions, decimals and percentages Negative numbers - Understand negative numbers - Count through zero in 1s - Count through zero in multiples - Compare and order negative numbers - Find the difference Volume - Cubic centimetres - Compare volume - Estimate volume - Estimate capacity	- Cube numbers - Multiply by 10, 100 and 1,000 - Divide by 10, 100 and 1,000 - Multiples of 10, 100, 1000 Multiplication & Division B - Multiply up to a 4-digit number by a 1-digit number - Multiply a 2-digit number by a 2 digit number (area model) - Multiply a 2-digit number by a 2 digit number - Multiply a 3-digit number by a 2 digit number - Multiply a 4-digit number by a 2 digit number - Solve problems with multiplication - Short division - Divide a 4-digit number by a 1-digit number - Divide with remainders - Efficient division - Solve problems with multiplication
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