

Year 6

Place Value	Addition, subtraction, multiplication & division –	Fractions A	Converting Units
Numbers to 1,000,000	- Add and subtract integers	- Equivalent fractions and simplifying	Metric measures
Numbers to 10,000,000	- Common factors	- Equivalent fractions on a number line	Convert metric measures
Read and write numbers to 10,000,000	- Common multiples	- Compare and order (denominator)	Calculate with metric measures
Powers of 10	- Rules of divisibility	- Compare and order (numerator)	Miles and kilometres
Number line to 10,000,000	- Primes to 100	- Add and subtract simple fractions	Imperial measures
Compare and order any integers	- Square and cube numbers	- Add and subtract any two fractions	
Round any integer	- Multiply up to a 4-digit number by a 2	- Add mixed numbers	Statistics
Negative numbers	- Solve problems with multiplication	- Subtract mixed numbers	- Line graphs
	- Short division	- Multi-step problems	- Dual bar charts
Area, perimeter & volume	- Division using factors		- Read and interpret pie charts
- Shapes – same area	- Introduction to long division	Fractions B	- Pie charts with percentages
- Area and perimeter	- Long division with remainders	Multiply fractions by integers	- Draw pie charts
- Area of a triangle – counting squares	- Solve problems with division	Multiply fractions by fractions	
- Area of a right-angled triangle	- Solve multi-step problems	Divide a fraction by an integer	The mean
- Area of any triangle	- Order of operations	Divide any fraction by an integer	Algebra
- Area of a parallelogram	- Mental calculations and estimation	Mixed questions with fractions	1-step function machines
- Volume – counting cubes	- Reason from known facts	Fraction of an amount	2-step function machines
Volume of a cuboid		Find the whole	Form expressions
	Decimals		Substitution
	Place value within 1	Shape	Formulae
	Place value – integers and decimals	Measure and classify angles	Form equations
	Round decimals	Calculate angles	Solve 1-step equations
	Add and subtract decimals	Vertically opposite angles	Solve 2-step equations
	Multiply by 10, 100 and 1,000	Angles in a triangle	Find pairs of values
	Divide by 10, 100 and 1,000	Angles in a triangle – special cases	Solve problems with two unknowns
	Multiply decimals by integers	Angles in a triangle – missing angles	
	-Divide decimals by integers	Angles in a quadrilateral	Position & direction
	-Multiply and divide decimals in context	Angles in polygons	The first quadrant
		Circles	Read and plot points in four quadrants
	Fractions, decimals & percentages	Draw shapes accurately	
	Decimal and fraction equivalents	Nets of 3-D shapes	
	-Fractions as division		
	-Understand percentages		
	Fractions to percentages		
	Equivalent fractions, decimals and percentages		
	Order fractions, decimals and percentages		
Ratio			
Add or multiply?			
Use ratio language Introduction to the ratio symbol Ratio and fractions			
Scale drawing			

Use scale factors Similar shapes Ratio problems Proportion problems Recipes	-Percentage of an amount – one step -Percentage of an amount – multistep -Percentages – missing values		Solve problems with coordinates Translations Reflections
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