MathsBox

SATS Reasoning Checklist

Number and Place Value	1	2	3
Place value in Large Numbers			
Rounding whole numbers			
Calculating with negative numbers			
Solving number problems			

Calculations	1	2	3
Written multiplication			
Written division			
Estimating and checking			
Simple BIDMAS			
Multiples, factors and primes			
Calculation problems			

Ratio and Proportion	1	2	3
Relative sizes			
Scale factors			
Unequal sharing			
Percentages of amounts			
Comparing using percentages			

Measurement	1	2	3
Units			
Area of a triangle			
Area of a parallelogram			
Perimeter and area			
Volumes of Cubes and Cuboids			

Statistics	1	2	3
Pie charts			
Line graphs			
The mean			

Fractions, Decimals and Percentages	1	2	3
Simplifying fractions			
Ordering fractions			
Adding and subtracting fractions			
Multiplying fractions			
Dividing fractions by whole numbers			
Multiplying and dividing by 10, 100 and 1000			
Rounding decimals			
Multiplying with decimals			
Dividing with decimals			
Fractions, percentages and decimals			

Algebra	1	2	3
Sequences			
Missing number problems			
Two missing numbers			
Formulas			

Geometry	1	2	3
Drawing 2D shapes			
Shape properties			
Circles			
Angles in shapes			
Coordinates			
Reflections			
Translations			