

**Decimal Calculations and Rounding:**

Objective	Sparx Task	
Add and subtract using column method, including decimals	M429	
Order positive and negative numbers including decimals	M522	
multiply decimals by powers of 10	Q777	
Multiply decimals by multiples of 10 e.g. 50	Q777	
Multiply a decimal by another decimal	M803	
Multiply any number by 0.1 and 0.01	Q777	
Divide decimals by powers of 10	Q777	
Use formal written methods to divide integers and decimals by a single digit integer	M354	
Use formal written methods to divide decimals by a single digit integer	M262	
Use formal written methods to divide integers and decimals by a two-digit integer	M262	
Use formal written methods to divide integers and decimals by an integer	M354	
Use formal written methods to divide an integer by a decimal	M262	
Use formal written methods to divide a decimal by a decimal	M262	
Round to a given number of significant figures	M131	
Round to a given degree of decimal places	M431	
Estimate roots	M135	
Use rounding to significant figures to estimate in simple problems	M131	
Use rounding to significant figures to estimate in calculations including worded problems	M131	
Simplify ratios including ratios with decimals	M885	
Divide amounts in ratios including decimal amounts	M525	

## Transformations:

Objective	Sparx Task	
Name horizontal and vertical lines parallel to the axes and $y=x$ and $y=-x$	M797	
Reflect shapes in named lines	M290	
Describe reflections	M290	
Transform 2D shapes by translating on a grid given directions	M139	
Transform 2D shapes by translating using column vector notation on a coordinate grid	M139	
Describe translations	M139	
Transform 2D shapes by rotating them multiples of 90 degree in a given direction on a grid	M910	
Transform 2D shapes by rotating them about a point on a coordinate grid	M910	
Describe rotations	M910	
Enlarge a shape by a positive integer scale factor	M178	
Enlarge a shape by a positive integer scale factor on a coordinate grid	M178	
Enlarge a shape by a positive integer scale factor from a given point on a coordinate grid	M178	
Describe an enlargement	M178	