

Transformations, Area and Volume and Handling Data:

| Objective | Sparx Task | |
|----------------------------------------------------------------------------------------|------------|--|
| Find a perpendicular height of parallelogram | M291 | |
| Find area of a parallelogram | M291 | |
| Base and height of a triangle | M610 | |
| Area of a triangle | M610 | |
| What is a trapezium | M705 | |
| Height of a trapezium | M705 | |
| Area of a trapezium | M705 | |
| Area of a trapezium practice | M705 | |
| Trapezium area problems | M705 | |
| Find missing lengths of a shape when given the area | M303 | |
| Compound area | M269 | |
| Surface area of simple shapes (prisms) using the formulae for triangles and rectangles | M534,M661 | |
| Volume of a cube or cuboid Volume of prisms including cylinders | M765, M722 | |
| Change between units of volume | M761 | |
| Convert between metric measures for area and volume | M728 | |
| Reflect in named lines e.g $x=2$ $y=4$ | M290 | |
| Transform by rotation about a given point on a coordinate grid | M910 | |
| Translate using column vector notation | M139 | |

| | | |
|----------------------------------------------------------------|------------|--|
| Median from a list of data | M934 | |
| Mode and range from a list of data | M328, M841 | |
| Mean from a list of data | M940 | |
| Compare two sets of data using averages and range | M328 | |
| Find missing values in a list when given averages and range | M940 | |
| Adjust the mean when data is added or taken away from the list | M940 | |
| Complete frequency tables and tally charts from lists | M127 | |
| Find averages and range from discrete frequency table | M127 | |
| Organising data into groups | M287 | |
| Averages and range from grouped frequency data | M287 | |