

## Fractions:

| Objective  | Sparx Task |  |
|--|------------|--|
| Equivalent fractions   | M410       |  |
| Simplifying fractions  | M671       |  |
| Write a number as a fraction of another number                       | M695       |  |
| Convert between improper fractions and mixed numbers                 | M601       |  |
| Finding a common denominator   | M335       |  |
| Compare and order fractions with different denominators              | M335       |  |
| Add and subtract fractions   | M835       |  |
| Use divisions to write a fraction as a decimal                       | M958       |  |
| FDP equivalence  | M264       |  |
| Multiply a fraction by an integer and cancel common factors          | M157       |  |
| Multiply a fraction by a fraction and cancel common fractions        | M157       |  |
| Multiply a mixed number by an integer, a fraction and a mixed number | M197       |  |
| Find a fraction of a quantity  | M695       |  |
| Find a percentage of a quantity                                      | M437       |  |
| Perform a fractional increase or decrease                            | M437       |  |
| Divide a fraction by a whole number                                  | M110       |  |
| Understand what a reciprocal is in terms of a multiplicative inverse | M110       |  |
| Divide an integer by a unit fraction                                 | M110       |  |
| Divide an integer by a non unit fraction                             | M110       |  |
| Divide a fraction by a fraction                                      | M110       |  |
| Operations with mixed numbers  | M197, M265 |  |
| Fractions on a calculator  | M684       |  |

## Decimals and Measures:

| Objective  | Sparx Task |  |
|--|------------|--|
| Ordering decimals including negative decimals        | M522       |  |
| Rounding decimals including negative decimals        | M431       |  |
| Adding and subtracting decimals of different lengths | M429, M152 |  |

|   |                     |  |
|---|---------------------|--|
| Adding and subtracting decimals word problems                                     | M429, M152          |  |
| Multiplying decimals link to multiplying and dividing by powers of ten            | M803                |  |
| Multiplying decimals by an integer  | M803                |  |
| Multiplying decimals of same length e.g. $0.3 \times 0.2$                         | M803                |  |
| Divide whole numbers to get a decimal answer and divide decimals by whole numbers | M873                |  |
| Divide whole numbers by 0.1 and 0.01  | M262                |  |
| Divide decimal by a decimal   | M262                |  |
| Divide decimal by a decimal with different lengths                                | M262                |  |
| Calculate FDP equivalents of amount   | M264                |  |
| Organise units into measures of length, mass and capacity                         | M443,<br>M924, M454 |  |
| Estimate measurements from real life situations                                   | M443,<br>M924, M454 |  |
| Measure a length in mm and cm   | M443                |  |
| Convert metric measurements   | M772,<br>M530, M761 |  |
| Compare and order measure of length where the units are different                 | M772                |  |
| Find percentages of whole numbers without calculator                              | M437                |  |
| Find percentage increase and decrease   | M476, M533          |  |
| Working backwards with percentages  | M528                |  |