

Year 7 Objective List – Higher

HT3

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. 0.3×0.2	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, M924, M454	
Estimate measurements from real life situations	M443, M924, M454	
Measure a length in mm and cm	M443	
Convert metric measurements	M772, 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	