Year 7 Objective List – Intermediate   HT3

Fractions:

Objective	Sparx Task	
Interpret diagrams to determine that the fraction is equal parts out of the whole - practice needed on identifying unequal parts	M158	
Compare fractions with diagrams with emphasis that the wholes have to be the same size in order to compare	M1158	
Change an improper fraction to a mixed number and vice versa	M601	
Identify equivalent fractions by multiplying and dividing by the same integer	M410	
Simplify fractions by identifing the HCF of numerator and denominator. Conform when a fraction is simplified	M671	
Add and subtract simple fractions with different denominators	M835	
Multiply a fraction by an integer	M157	
Find simple fractions of quantities e.g. two thirds of 27	M437	
Convert a fraction to a decimal by understanding that a fraction is a division	M264	
Write a number as a fraction of another number	M437	
Write a percentage as a fraction and a decimal	M264	
Frind a percentage of an amount by using bar models and other strategies	M437	
Find a percentages of an amount by converting to a fraction first	M437	
Write one number as a percentage of another number	M437	

Decimals and Measures:

Objective	Sparx Task	
Measure in cm and mm	M443	
Estimate and choose suitable units to measure length, mass and capacity	M443, M454, M924	
Be able to write the place value of a decimal	M522	
Convert between metric units of lengths to compare them	M772	
Convert between metric units of mass to compare them	M530	
Order decimals in terms of size - including use of inequality signs	M522	
Read scales on a range of measuring equipment		
Adding and subtracting decimals of different lengths	M429, M152	

Adding and subtracting decimals of different lengths in terms of perimeter of shapes	M429, M152	
Multiplying decimals by an integer less than 10	M354	
Divide an integer by another integer to get a decimal answer	M873	
Divide a decimal by an integer less than 10	M262	
Working with pounds and pence on a calculator to solve problems	M901	