

**Number Properties and Calculations:**

Objective	Sparx Task	
Add with negatives	M106	
Subtract with negatives	M106	
Multiply with negatives	M288	
Divide with negatives	M288	
Squares and square roots	M135	
Cubes and cube roots	M135	
Factors, factor pairs, multiples and primes	M823, M322	
HCF and LCM	M227, M698	
Prime factor decomposition	M108	
Square roots and cube roots using prime factor decomposition	M108	
Placing prime factors into Venn diagram	M829	
Substituting into expressions containing powers and roots	M327	
Writing a ratio in the form 1:n	M543	
Writing a ratio as a fraction	M267	
Using ratios in scales on maps convert between miles and km		
Sharing a ratio in two or more parts	M525	

Sharing a ratio when given one part	M525	
Unitary method to solve ratio and proportion problems	M681	
Recipe problems	M478	
Simple problem solving with ratio and direct proportion	M478	