YEAR 8

HALF TERM 1

What? When? Why?	Lesson 1 Learning intentions (what can a student do at the end of the lesson)	Lesson 2 Learning intentions (what can a student do at the end of the lesson)	Lesson 3 Learning intentions (what can a student do at the end of the lesson)	Lesson 4 Learning intentions (what can a student do at the end of the lesson)
Week 1 Ratio and scale	Understand the meaning and representation of ratio	Understand and use ratio notation, from diagrams and numerically	Divide in a given ratio, using a number of strategies including bar modelling	Express ratios in their simplest integer form, from problems given both in diagrammatic and numerical form
Week 2 Ratio and scale	Express ratios in the form 1:n from problems given both in diagrammatic and numerical form	Solve problems involving ratios of the form 1:n or n:1, from diagrams, descriptions, and using bar modelling	Solve problems involving ratios of the form m:n, using a number of strategies including bar modelling	Compare ratios and fractions using diagrams and descriptions
Week 3 Multiplicative change	Solve problems involving direct proportion	Learn to use conversion graphs (explore direct proportion graphs for higher ability students)	Convert between currencies	Understand scale factors as multiplicative representations Draw and interpret scale diagrams
Week 4 Multiplicative change Multiplying and dividing fractions	Interpret maps using ratios and scale factors	Recap adding and subtracting fractions	Represent multiplication of fractions Find the product of a pair of any fractions	Multiply a fraction by an integer Understand the equivalence of 'of' and 'multiply'
Week 5 Multiplying and dividing fractions	Understand and use the reciprocal Divide an integer by a fraction	Divide a fraction by a unit fraction	Divide any pair of fractions	Multiply and divide improper and mixed fractions
Week 6 Multiplying and dividing fractions	Multiply and divide algebraic fractions	Recap and revise ratio and scale	Recap and revise multiplicative change	Recap and revise multiplying and dividing fractions