

Unit 4a: Fractions, ratio and percentages
Year 9 Road Map

In this unit you will learn about number. The aims are as follows:

LG1: Knowledge

LG2: Application

LG3: Skills

S/N	Level	Learning Goals/Outcomes/Content	Dr Frost Videos	 R	 A	 G
4a) Fractions						
1	S	Use diagrams to find equivalent fractions or compare fractions;	54s			
2	S	Write fractions to describe shaded parts of diagrams;	54c			
3	SCE	Express a given number as a fraction of another,	55b			
4	S	Find equivalent fractions;	54r 98a			
5	S	Write a fraction in its simplest form, including using it to simplify a calculation, e.g. $50 \div 20 = \frac{50}{20} = \frac{5}{2} = 2.5$	98d			
6	SCE	Order fractions, by using a common denominator;	99a 99b			
7	SCE	Compare fractions, use inequality signs, compare unit fractions;	101c 101e			
8	S	Convert between mixed numbers and improper fractions;	101a 101b			
9	SC	Add and subtract fractions;	56 100			
10	SCE	Add and subtract mixed numbers	102			
11	SCE	Multiply and divide an integer by a fraction;	166c 119a			
12	SCE	Multiply and divide a fraction by an integer, including finding fractions of quantities or measurements, and apply this by finding the size of each category from a pie chart using fractions;	166 119a			
13	SCE	Understand and use unit fractions as multiplicative inverses;	54i 55f 159c			
14	SCE	Multiply fractions including mixed numbers; simplify calculations by cancelling first;	167			
15	SCE	Divide fractions including mixed number.	168			
16	SC	Find a fraction of a quantity or measurement, including within a context;	57d 57e			
17	CE	Convert a fraction to a decimal to make a calculation easier;	172e			
19	E	Convert a fraction to a recurring decimal;	173a			
20	E	Convert a recurring decimal to a fraction;	277c			
21	CE	Find the reciprocal of an integer, decimal or fraction	159b 159c			

Student's comments and questions: