


Subject	Year	Month	 Balcarras <small>From strength to strength</small>
Mathematics	10	December	
Topic:			
Fractions			4 lessons
Content (Intent)			
Prior Learning Year 10 Prime factor form September Year 8 Decimal and fraction equivalents December Year 7 Fraction calculations May		Future Learning Year 10 Ratio January Year 10 Working in terms of π March Year 12 Pure Chapter 1 Algebraic expressions	
Objectives <ul style="list-style-type: none"> Express a given number as a fraction of another; Find equivalent fractions and compare the size of fractions; Write a fraction in its simplest form, including using it to simplify a calculation, e.g. $50 \div 20 = \frac{50}{20} = \frac{5}{2} = 2.5$; Find a fraction of a quantity or measurement, including within a context; Convert a fraction to a decimal to make a calculation easier; Convert between mixed numbers and improper fractions; Add, subtract, multiply and divide fractions; Multiply and divide fractions, including mixed numbers and whole numbers; Add and subtract fractions, including mixed numbers; Understand and use unit fractions as multiplicative inverses; By writing the denominator in terms of its prime factors, decide whether fractions can be converted to recurring or terminating decimals; Convert a fraction to a recurring decimal; Convert a recurring decimal to a fraction; Find the reciprocal of an integer, decimal or fraction 			
Pedagogical notes (implementation)		How will understanding be assessed & recorded (Impact)	
Include multiplying and dividing integers by fractions. Recognise that every terminating decimal has its fraction with a 2 and/or 5 as a common factor in the denominator. Use long division to illustrate recurring decimals. Amounts of money should always be rounded to the nearest penny. Encourage use of the fraction button.		End of half term Assessment in Dec End of Year Mocks in April	
		How can parents help at home?	
		MathsWatch clips (Qualification GCSE) 25, 26, 71, 72, 73, 74 84, 85 189	
Further reading/discussion			
Reading / Enrichment	Literacy	Numeracy Links	Careers Links Chef/Dietitian Architect Pharmacist Nursing

			Basic numeracy requirement for all careers
--	--	--	--