Ellingham C of E Primary School
Year 4 Assessment Expectations
Mathematics: Fractions

End of Term 1	End of Term 2	End of Term 3
Number: Fractions and Decimals		
I can recognise, find and write fractions of a discrete set of objects: unit fractions and non – unit fractions with small denominators. I am beginning to understand the relationship between non-unit fractions and x÷	I understand the relationship between non-unit fractions and multiplication and division, including tenths and hundredths.	I can understand and explains the relationship between non-unit fractions and multiplication and division including tenths and hundredths.
Recognises and shows, using diagrams, families of common equivalent fractions with small denominators.	I am beginning to use factors and multiples to recognise equivalent fractions.	I can use factors and multiples to recognise and simplify (where appropriate) equivalent fractions.
I can add and subtract fractions with the same denominator within one whole e.g. 5/7 + 1/7 = 6/7	I can add and subtract fractions with the same denominator and extend beyond one whole.	I can fluently add and subtract a wider range of fractions with the same denominator beyond one whole.
I recognise and write decimal equivalents for any number of tenths. I can show understanding that tenths arise from dividing an object into 10 equal parts and in dividing 1 digit numbers or quantities by 10 and starts to relate this to the number system and decimal place value.	I am beginning to recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten and relate this to the number system and decimal place value. I can recognise and write decimal equivalents for any number of tenths and some hundredths. Recognises and writes decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$.	I can recognise and explain how hundredths arise when dividing an object by one hundred and dividing tenths by ten and confidently relates this to the number system and place value. I can recognis and write decimal equivalents for any number of tenths or hundredths including decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$.
I am beginning to understand decimals and fractions as different ways of expressing numbers and proportions.	I understand decimals and fractions are different ways of expressing numbers and proportions.	I can explain and show that decimals and fractions are different ways of expressing numbers and proportions.
I can count up and down in tenths, compare and order numbers and quantities with one decimal place and represent them in several ways, such as on number lines.	Count up and down in tenths and hundredths, compare and order numbers and quantities with the same number of decimal places up to two decimal places and represent them in several ways, such as on number lines.	I can confidently count up and down in tenths and hundredths, compare and order numbers and quantities with the same number of decimal places up to two decimal places and represent them in several ways, such as on number lines.
	I can round decimals with one decimal place to the nearest whole number.	I can confidently round decimals with one decimal place to the nearest whole number, in a range of contexts.
I can find the effect of dividing a one- or two-digit number by 10, identifying the value of the digits in the answer as ones and tenths.	I can find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.	I can confidently divide a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
Problem Solving:	I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	I can confidently solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.