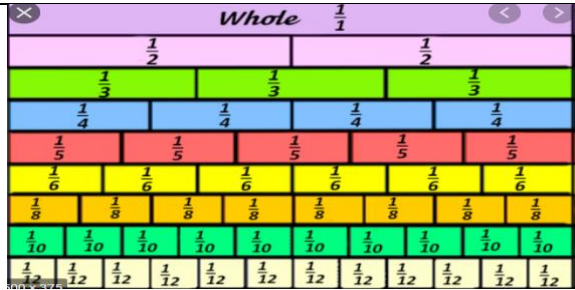


Maths Progression Document Fractions (including decimals Y4) Year 3 and 4

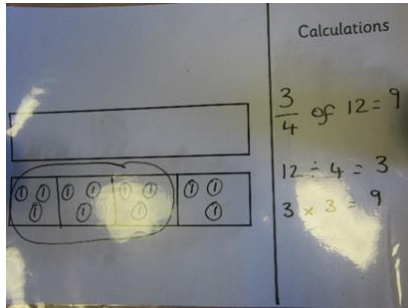
	<p>Reception Vocabulary Whole, parts of a whole, half, quarter</p> <p>Year 1 Vocabulary Fraction, equal part, equal grouping, equal sharing, one of two equal parts, one of four equal parts</p> <p>Year 2 Vocabulary equivalent fraction, numerator, denominator two halves, two quarters, three quarters, one third, two thirds, one of three equal parts</p>	
Key Vocabulary	<p>Year 3 Vocabulary mixed number, unit, non-unit fractions, improper fraction sixths, sevenths, eighths, tenths</p>	<p>Year 4 Vocabulary Hundredths, mixed number, improper fractions decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion</p>
Year group	Year 3	Year 4
Key skills	<ul style="list-style-type: none"> • Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • Recognise and show, using diagrams, equivalent fractions with small denominators • Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • Compare and order unit fractions, and fractions with the same denominators • Add and subtract fractions with the same denominator within one whole • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators linked to known times tables. • Solve problems that involve all of the above. 	<ul style="list-style-type: none"> • Recognise and show, using diagrams, families of common equivalent fractions • Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. • 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 • Add and subtract fractions with the same denominator • Recognise and write decimal equivalents of any number of tenths or hundredths. • Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredth. • Solve simple measure and money problems involving fractions and decimals to two decimal places.

Maths Progression Document Fractions (including decimals Y4) Year 3 and 4

What it looks like in models and images. Note – this is not exhaustive, guidance should be taken from our calculation policy as well as WR Maths small steps guidance.



Use bar modelling as a non-negotiable for fractions of quantities

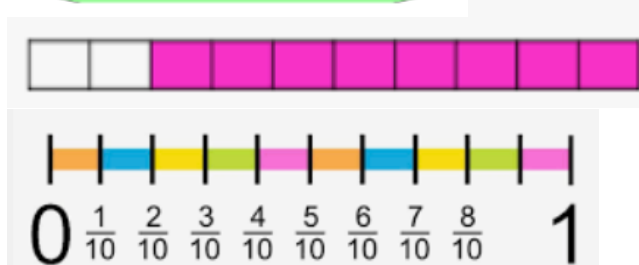


Move towards method of abstract divide by denominator and multiply by numerator only when secure.

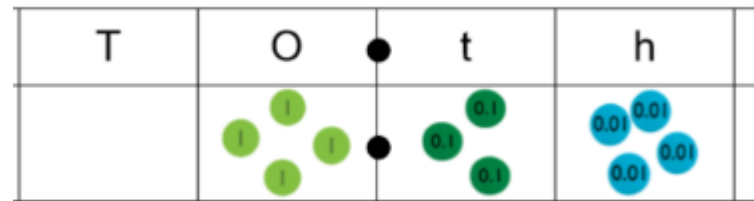
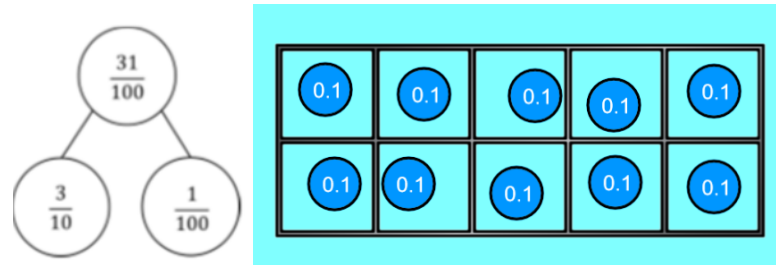
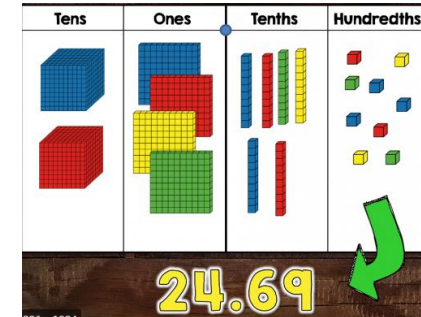
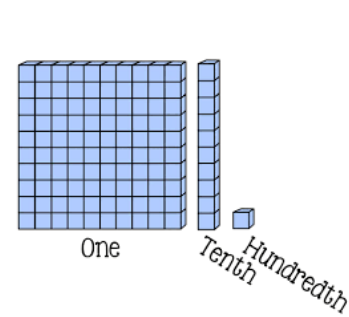
Introduce tenths as whole split into ten. Use ten frame as the whole and lots of visuals.

Jess is using counters to add fractions

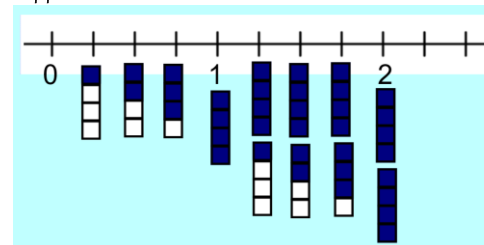
Complete the number sentence:

$$2 + 4 = 10$$


Use base ten as the whole when exploring hundredths.



Showing mixed number and improper fractions on a numberline, use images of bars to support.



Maths Progression Document Fractions (including decimals Y4) Year 3 and 4