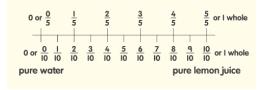
## Maths - Year 5

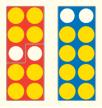
## Numbers and the Number System 6: Comparing and ordering fractions

Key Vocabulary		Mathematical Skills - Compare fractions whose denominators
Equivalence	The same value represented in different ways.	<ul> <li>are multiples of the same number.</li> <li>Use knowledge of multiples to find equivalent fractions and illustrate this with structured apparatus.</li> <li>Compare fractions and order them using &lt; and &gt; symbols.</li> <li>Make connections between scaling up and multiplying, and scaling down and dividing, as inverses.</li> <li>Use knowledge of multiples and factors to simplify fractions to their lowest terms.</li> </ul>
Proportion	Used to express a fraction of a whole e.g. ½ the grapes are green.	
Proper fraction	A fraction where the numerator is smaller than the denominator.	
Improper fraction	A fraction where the numerator is bigger than the de- nominator.	
Mixed number	A number written as a whole number and a fraction e.g. 2½.	
Factor	A number that divides into another number exactly.	
Common factor	A whole number that divides into two or more other numbers exactly.	
Scale up/ down	Increase or reducing an amount to make it larger or smaller in proportion.	

## **Mathematical Methods**

- Comparing and ordering proper fractions whose denominators are multiples of the same number. E.g. exploring the fraction of lemon juice and water when making lemonade.



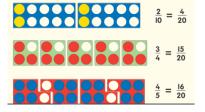




• Comparing and ordering proper fractions by finding a common denominator

e.g. tenths, quarters and fifths can all

share/be converted to the common denominator /20.



- Using greater than and less than signs to record comparisons of fractions e.g. finding the largest fraction by converting fractions to equivalent fractions.  $x_2$ 

