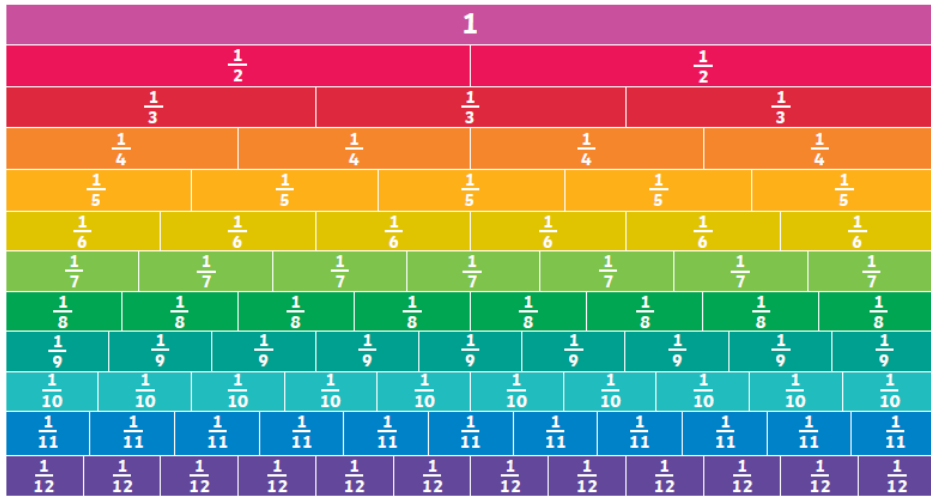

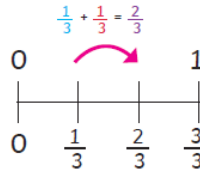

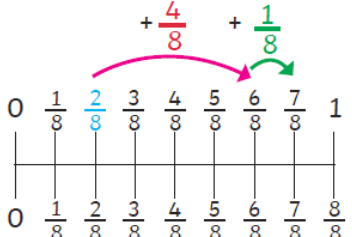

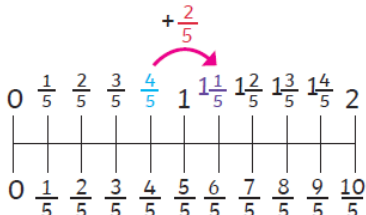

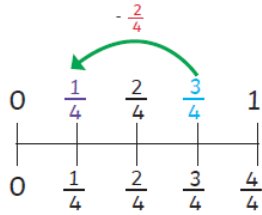



In maths we are learning about...

Fractions		Knowledge Organiser																	
Key Vocabulary	Fraction Families																		
numerator																			
denominator																			
unit fraction																			
non-unit fraction																			
equivalent																			
quantities																			
whole																			
halves																			
thirds																			
quarters																			
fifths																			
sixths																			
sevenths	Fractions of Quantities																		
eighths	<p>To find a fraction of a number, divide by the denominator and multiply by numerator.</p>																		
ninths	<p>To find quarters of 20:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td colspan="4">20</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td></tr> </table> <p>$\frac{1}{4}$ of 20 = 5 $\frac{2}{4}$ of 20 = 10 $\frac{3}{4}$ of 20 = 15 $\frac{4}{4}$ of 20 = 20</p>			20				5	5	5	5								
20																			
5	5	5	5																
tenths	<p>To find eighths of 56:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td colspan="8">56</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> </table> <p>$\frac{1}{8}$ of 56 = 7 $\frac{2}{8}$ of 56 = 14 $\frac{3}{8}$ of 56 = 21 $\frac{4}{8}$ of 56 = 28 $\frac{5}{8}$ of 56 = 35 $\frac{6}{8}$ of 56 = 42 $\frac{7}{8}$ of 56 = 49 $\frac{8}{8}$ of 56 = 56</p>			56								7	7	7	7	7	7	7	7
56																			
7	7	7	7	7	7	7	7												
elevenths																			
twelfths																			
quantities																			

Fractions		Knowledge Organiser	
Adding Fractions	Subtracting fractions		
<p>Fractions can be added when the denominators are the same.</p>			
$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ 	$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ 		
$\frac{2}{8} + \frac{4}{8} + \frac{1}{8} = \frac{7}{8}$ 	$\frac{2}{8} + \frac{4}{8} + \frac{1}{8} = \frac{7}{8}$ 		
$\frac{4}{5} + \frac{2}{5} = \frac{6}{5}$ or $1\frac{1}{5}$ 	$\frac{4}{5} + \frac{2}{5} = \frac{6}{5}$ or $1\frac{1}{5}$ 		
<p>Fractions can be subtracted when the denominators are the same.</p>			
$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ 		$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ 	
$\frac{8}{6} - \frac{5}{6} = \frac{3}{6}$ 		$\frac{8}{6} - \frac{5}{6} = \frac{3}{6}$ 