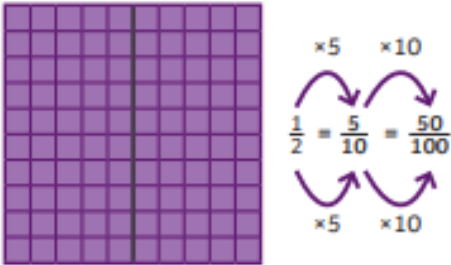
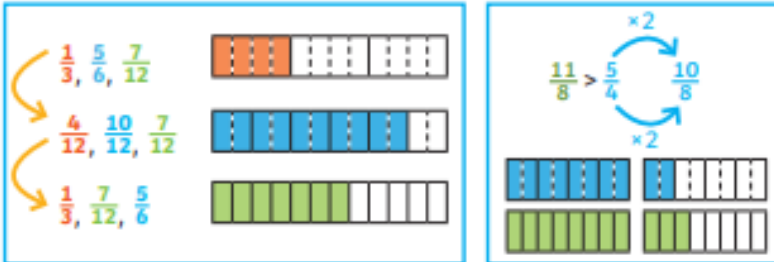

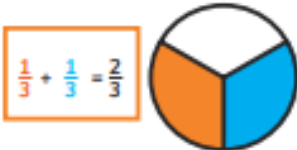
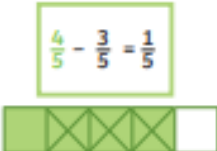
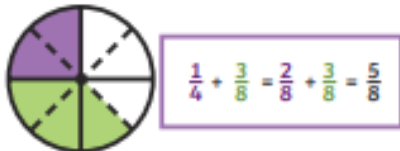
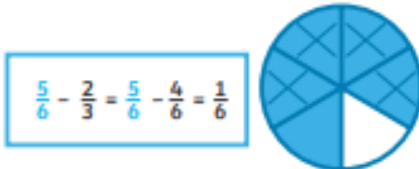


# Year 5 Maths: Fractions (1)

Key Vocabulary	Equivalent Fractions	Compare and Order Fractions	
numerator	<p>To find equivalent fractions, we multiply or divide the numerator and denominator by the same number.</p> 	<p>We can compare and order fractions by using common denominators.</p> 	
denominator			
unit fraction			
non-unit fraction			
whole			
equivalent	Mixed Numbers	Improper Fractions	
mixed number	<p>Mixed numbers contain a whole number and a fraction.</p> 	<p>An improper fraction has a numerator which is greater than or equal to the denominator.</p> <p><math>\frac{5}{3}</math></p>	
improper fraction	Convert an Improper Fraction to a Mixed Number	Convert a Mixed Number to an Improper Fraction	
simplest form	<p><math>\frac{9}{4}</math></p> <p><math>9 \div 4 = 2r1</math></p> <p>Divide the numerator by the denominator.</p> <p><math>2\frac{1}{4}</math></p> <p>This shows you the whole number and the fraction.</p>	<p>Multiply the whole by the denominator to make an improper fraction.</p> <p><math>2\frac{5}{6} = \frac{12}{6} + \frac{5}{6} = \frac{17}{6}</math></p> <p>Add the fractions together.</p>	
multiple			
common denominator	<th>Adding and Subtracting Fractions</th>		Adding and Subtracting Fractions
common numerator	<p>To add or subtract fractions with denominators that are multiples of the same number, we must change one fraction to have the same denominator.</p>		
	   		

# Year 5 Maths: Fractions (2)

## Add Fractions Where the Total is Greater Than 1

$$\frac{1}{2} + \frac{3}{4} + \frac{5}{8} = \frac{4}{8} + \frac{6}{8} + \frac{5}{8} = \frac{15}{8} = 1\frac{7}{8}$$



## Add Mixed Numbers

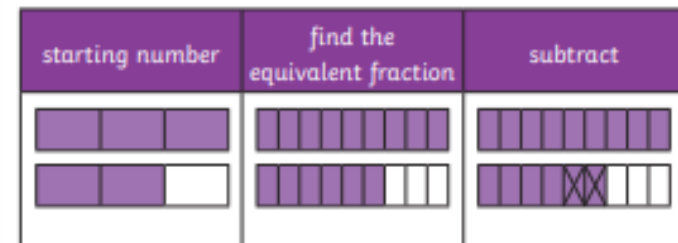
$$1\frac{1}{4} + \frac{3}{8} = 1\frac{2}{8} + \frac{3}{8} = 1 + \frac{5}{8} = 1\frac{5}{8}$$

$$1\frac{1}{4} + \frac{3}{8} = \frac{5}{4} + \frac{3}{8} = \frac{10}{8} + \frac{3}{8} = \frac{13}{8} = 1\frac{5}{8}$$



## Subtract from a Mixed Number

$$1\frac{2}{3} - \frac{2}{9} = 1\frac{4}{9} - \frac{2}{9} = 1\frac{2}{9}$$



## Multiply Unit Fractions by an Integer

$$\frac{1}{3} \times 5 = \frac{5}{3}$$



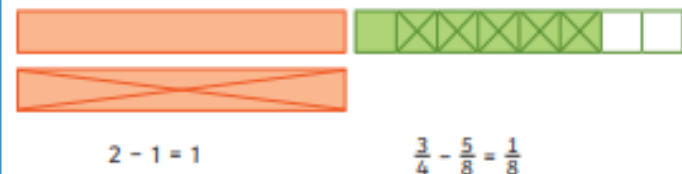
## Multiply Non-Unit Fractions by an Integer

$$2 \times \frac{4}{9} = \frac{8}{9}$$



## Subtract Two Mixed Numbers

$$2\frac{3}{4} - 1\frac{5}{8} = 1\frac{1}{8}$$



## Multiply Mixed Numbers by Integers

Convert to an improper fraction and multiply the numerator by the integer.

$$2\frac{1}{4} \times 2 = \frac{9}{4} \times 2 = \frac{18}{4} = 4\frac{2}{4} = 4\frac{1}{2}$$



Use repeated addition.

$$2\frac{1}{4} \times 2 = 2\frac{1}{4} + 2\frac{1}{4} = 4\frac{2}{4} = 4\frac{1}{2}$$

## Subtract from a Mixed Number - Breaking the Whole

$$2\frac{1}{4} - \frac{3}{8} = 2\frac{2}{8} - \frac{3}{8} = 1\frac{10}{8} - \frac{3}{8} = 1\frac{7}{8}$$

