


S1 – Fractions						
Knowledge of				Translations	Applications	Analyses and Synthesis
Terms	Facts	Rules and Principles	Processes and Procedures			
Numerator Denominator Equivalent Mixed number Improper	Simple fraction, percentage and decimal conversions	Multiplying both the numerator and denominator by the same number will create an equivalent fraction.  Adding and subtracting fractions requires a common denominator	Create an equivalent fraction  Simplify a fraction  Add and subtract fractions  Convert between mixed and improper fractions	Draw a diagram to represent a fraction	Solve a word problem involving fractions	

S1 – Fractions		
Know	Do	Apply
<p>Numerator – top of the fraction</p> <p>Denominator – bottom of the fraction</p> <p>Equivalent – equal in value</p> <p>Mixed number – e.g. <math>2\frac{3}{4}</math></p> <p>Improper – e.g. <math>\frac{11}{4}</math></p> <p><math>\frac{1}{4} = 25\% = 0.25</math></p> <p><math>\frac{1}{2} = 50\% = 0.5</math></p> <p><math>\frac{3}{4} = 75\% = 0.75</math></p> <p><math>\frac{1}{10} = 10\% = 0.1</math></p>	<p>Create an equivalent fraction</p> $\frac{2}{3} = \frac{4}{6} = \frac{20}{30}$ <p>Simplify a fraction</p> $\frac{12}{15} = \frac{4}{5}$ <p>Add and subtract fractions</p> $\frac{2}{3} + \frac{4}{5} = \frac{10}{15} + \frac{12}{15} = \frac{22}{15}$ <p>Convert between mixed and improper fractions</p> $2\frac{3}{4} = \frac{11}{4}$ 	<p>Draw a diagram to represent a fraction</p> <p>Solve a word problem involving fractions</p>