










<b>KNOWLEDGE &amp; STRATEGY</b>	<b>STAGE 2</b> During 1 <sup>st</sup> yr	<b>COUNTING FROM ONE ON MATERIALS</b>
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<b>LEARNING OUTCOMES –</b>										
<b>KNOWLEDGE</b>										
I am learning to:										
Read any number up to 20	17, 6, 18									
Count forwards from any number up to 20	14, 15, 16									
Count backwards from any number up to 20	15, 14, 13									
Say the number after a number (in the range 1-20)	 14, 15, ___									
Say the number before a number (in the range 1-20)	 ___ 16, 17									
Order numbers to 20	5 13 17 8 20									
Know groupings within 5	3 and 2 4 and 1									
Know groupings with 5	 5 and 2									
Read symbols for halves and quarters	$\frac{1}{2}$ $\frac{1}{4}$									
<b>STRATEGY</b>										
I am learning to:										
Solve + problems to 10 by counting all the objects	 $6 + 3 = 9$									
Solve – problems to 10 by counting all the objects										









STRATEGY	STAGE 6 to 7 By End Y7	ADVANCED ADDITIVE – ADVANCED MULTIPLICATIVE PART-WHOLE
LEARNING OUTCOMES –		
<b>STRATEGY</b>		
I am learning to:		
<b>ADDITION &amp; SUBTRACTION</b>		
Compensation from tidy numbers	$3.2+1.95 \rightarrow (3.2+2)-0.05$	
Place value partitioning	$8.65+4.2 \rightarrow 8+4+0.6+0.2+0.05$	
Reversibility	$6.03-5.8 \rightarrow 5.8+? = 6.03$	
Equal additions	$7.2-3.7 \rightarrow 7.5-4=3.5$	
Written form for + and -	$7.2$ $- 3.7$	
Negatives(integers)	$6.4-7.2 = 0.6$	
Simple equivalent fractions	$\frac{3}{4}+\frac{3}{8}=\frac{6}{8}+\frac{3}{8}=\frac{9}{8}$	
<b>MULTIPLICATION &amp; DIVISION</b>		
Compensation from tidy numbers	$19 \times 6 \rightarrow (20 \times 6)-6$ $56 \div 4 \rightarrow (60 \div 4) -1$	
Place value	$28 \times 7 \rightarrow (20 \times 7)+(8 \times 7)$	
Reversibility	$63 \div 9 \rightarrow 9 \times ? = 63$	
Proportional adjustment	$75 \times 4 \rightarrow 25 \times 12$ $81 \div 3 \rightarrow (81 \div 9) \times 3$	
Express remainders as fractions /decimals/whole numbers	$38 \div 6 = 6r2$ or $6\frac{1}{3}$ or $6.33$	
Written forms for x & ÷	$\begin{array}{r} 476 \\ \times 8 \\ \hline 6)845 \end{array}$	
<b>FRACTIONS</b>		
Unit fractions	$\frac{5}{8} \times 72 \rightarrow 5 \times (\frac{1}{8} \times 72)$	
Place value	$3.4 \times 8 \rightarrow (3 \times 8)+(0.4 \times 8)$	
Compensation from tidy numbers	$2.9 \times 6.3 = (3 \times 6.3) - (0.1 \times 6.3)$	
Equivalent fractions	$40\% \text{ of } 35 = \frac{2}{5} \text{ of } 35$	





