

BY THE END OF YEAR 5

Stage 6 (Advanced Additive)

Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Percentages
<p>Strategy 1: $54 + 19 = 73$ (part whole)</p> $\begin{array}{r} 54 + 19 = ? \\ -1 \downarrow \quad \downarrow +1 \\ 53 + 20 = 73 \end{array}$ <p>Strategy 2: $54 - 19 = 35$ (part whole)</p> $\begin{array}{r} 54 - 19 = ? \\ +1 \downarrow \quad \downarrow +1 \\ 55 - 20 = 35 \end{array}$	<p>Strategy 1: Can solve mult and div questions using five times tables</p> $\begin{array}{l} 5 \times 7 = ? \\ 5 \times 5 = 25 \\ 5 \times 2 = 10 \\ 25 + 10 = 35 \end{array}$ <p>Strategy 2:</p> $\begin{array}{c} 35 \div 5 = 7 \\ \swarrow \quad \searrow \\ 30 \quad 5 \\ \downarrow \quad \downarrow \\ \rightarrow \square \end{array}$ <p><i>2 or 3 digit number divided by a single digit number</i></p>	<p>Strategy 1:</p> $\frac{2}{5} \text{ of } 20 = ?$ <p><i>Solve like $20 \div 5 = 4$ and $2 \times 4 = 8$.</i></p> <p>Strategy 2:</p> $\frac{2}{5} \text{ of } ? = 8$ <p><i>Solve like $8 \div 2 = 4$ and $5 \times 4 = 20$</i> <i>Students use diagrams to support them with these questions.</i></p>
Knowledge	<p>Forwards number word sequence: Stage 6: Counts up to 1,000,000</p>	
	<p>Backwards number word sequence: Stage 6: States the number before and after any number (between 1 and 1,000,000)</p>	
	<p>Fractional numbers: Stage 6: Co-ordinates numerators and denominators (what is the same as $\frac{8}{6}$) and adds fractions with like denominators $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{5}{4}$ or $1 \frac{1}{4}$</p>	
	<p>Place Value: Stage 6: Knows hundreds in whole numbers, connects tenths and ones</p>	
	<p>Basic facts: Stage 6: Subtraction and Multiplication facts</p>	

1) I had \$54 in my bank account. I saved \$19 more. How much money do I have now?

2) I had \$54 and I spent \$19. How much money do I have left?

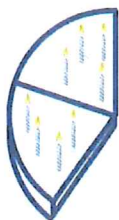
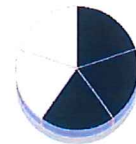


3) There are 5 teams at the netball tournament and each team has 7 players. How many players are at the netball tournament?



4) There are 35 students who must be shared evenly between 5 vans. How many students should go in each van?

5) There are 20 candles which must be shared evenly around this cake. How many candles will there be on 2 pieces? ($\frac{2}{5}$ of 20 = ?)



6) There are 8 candles left on these two slices of cake. How many candles much here have been on the whole cake? ($\frac{2}{5}$ of ? = 8)