Key vocabulary: add, addition, more, sum, total, altogether, column, double, near double, count on, tens, ones, column, tens boundary, equals, number bonds										
Progressive Key Skills	Method	Manipulatives/ Resources								
Number bonds 20	17 + 3 = 20 3 + 17 = 20	Numicon Tens frames								
	$ \begin{array}{c} +3=20\\ +17=20\\ 17+=20\\ 3+=20\\ \end{array} $									
Add 1s	2 3 + 1 = 2 4 $2 4 + 1 = 25$ $2 5 + 1 = 26$ $2 3 + 3 = 26$ $2 3 + 3 = 26$ $2 4 + 3 = 27$ $2 4 + 2 = 26$ $2 5 + 3 = 28$	Number line								
Add 10 more	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dienes Place value counters								
Add multiples of tens	$\begin{array}{c} 4 \ 0 \ + \ 3 \ 0 \ = \ 7 \ 0 \\ 4 \ 6 \ + \ 3 \ 0 \ = \ 7 \ 6 \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Dienes Place value counters								
Number bonds to 100	2 + 8 = 10 2 0 + 80 = 100 + 80 = 100 2 0 + = 100	Tens frame								

Add 2d+1d number - not crossing tens	25+2=27 $23+5=28$ $31+7=38$ $41+8=49$	Dienes Place value counters Number line
Add 2d+1d number crossing tens	27 + 4 = 31 36 + 7 = 43 45 + 9 = 54 57 + 5 = 62	Dienes Place value counters
Add 2 2digit numbers – not crossing ten (adding ones then adding tens)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dienes Place value counters
Add 2 2d numbers crossing tens- (adding ones then adding tens)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dienes Place value counters
Add 3 1d numbers.	6 + 5 + 4 = 15 $3 + 8 + 3 = 14$ $3 + 6 + 5 = 14$	Number line
Count in halves from any number to 10.	$0 \frac{1}{2} 1 1\frac{1}{2} 2 2\frac{1}{2} 3$	Pictorial fractions
Count in quarters from any number to 10.	$0 \frac{1}{4} \frac{2}{4} \frac{3}{4} 1 1\frac{1}{4} 1\frac{2}{4} 1\frac{3}{4} 2$	Pictorial fractions

Count in thirds from	_					Pictorial fractions
any number to 10.	0	<u> </u> 3	$\frac{2}{3}$	I		



Key vocabulary: subtract, take away, minus, left, less, difference between, equals, tens boundary, tens, ones, column, tens boundary, borrow, inverse										
Progressive Key Skills	Method	Manipulatives/ Resources								
Subtract 1s	$\begin{array}{c} 1 & 7 & -1 = 1 & 6 \\ 1 & 8 & -1 = 1 & 7 \\ 1 & 8 & -1 = 1 & 7 \\ 2 & 6 & -3 = 2 & 3 \\ 1 & 9 & -1 = 1 & 8 \\ 2 & 3 & -2 = 2 & 1 \\ 2 & 4 & -2 = 2 & 2 \\ 2 & 4 & -2 = 2 & 2 \\ 2 & 5 & -2 = 2 & 3 \\ 2 & 5 & -2 = 2 & 3 \\ \end{array}$	Dienes Number line Place value counters								
Find 10 less	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dienes Place value counters Hundred squares								
Subtract multiples of 10	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dienes Place value counters Hundred squares								
Subtract 1d number from a 2d number – crossing ten.	$35 - 3 = 32 \qquad 32 - 5 = 27 \\ 47 - 5 = 42 \qquad 43 - 8 = 35 \\ 58 - 4 = 54 \qquad 57 - 9 = 48$	Dienes Counters								
Subtract a 2d number from a 2d number- not crossing ten. (Number line)	30 - 23 = 7 7 23 30	Number line								

Subtract a 2d number from a 2d number- crossing ten. (Number line)	35-23=12 	Number line
Subtract a 2d number from a 2d number- not crossing ten.	T 0 3 8 - 1 3 2 5	Dienes Place value counters
Subtract a 2d number from a 2d number- crossing ten.	T 0 48'6 - 1 9 3 7	Dienes Place value counters
Count backwards in halves from any number 10.	$0 \frac{1}{2} 1 1\frac{1}{2} 2 2\frac{1}{2} 3$	Pictorial fractions
Count in backwards quarters from any number to 10.	$0 \frac{1}{4} \frac{2}{4} \frac{3}{4} 1 1\frac{1}{4} 1\frac{2}{4} 1\frac{3}{4} 2$	Pictorial fractions
Count in backwards thirds from any number to 10.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pictorial fractions

Year 2 Multiplication Progression Grid										
Key vocabulary: lots of, groups of, equal, times, multiply, repeated addition, array, row, column, inverse										
Progressive Key Skills	Method	Manipulatives/ Resources								
Making equal groups		Counters Cubes								
Adding equals groups	$ \begin{array}{c} $	Counters Cubes								
Multiplication sentences from pictures (introduce the symbol)	$\begin{array}{c} \begin{array}{c} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	Counters Cubes								
Arrays	5 × 2 = 1 0 2 × 5 = 1 0 00 00000 00 00000 00 00000 00 00 0000	Counters Stickers								
2 times table facts	$2 \times 2 = 1 0 \qquad 2 \times = 1 0$ $7 \times 2 = 1 4 \qquad 2 \times = 1 2$ $2 \times 9 = 1 8 \qquad \times 2 = 2 0$ $2 \times 8 = 1 6 \qquad \times 2 = 8$	Counters								

5 times table facts	$5 \times 5 = 25$ $5 \times = 15$ $8 \times 5 = 40$ $5 \times = 50$ $5 \times 3 = 15$ $\times 5 = 25$ $5 \times 9 = 45$ $\times 5 = 30$	Counters
10 times tables	$7 \times 10 = 70 10 \times = 90$ $2 \times 10 = 20 10 \times = 100$ $10 \times 3 = 30 \times 10 = 50$ $10 \times 8 = 80 \times 10 = 10$	Counters



	Year 2 Division Progression Grid									
Key vocabulary: share, share equally, equal groups of, divide, division										
Progressive Key Skills	Method	Manipulatives/ Resources								
Make equal groups – sharing	Share 10 counters between 2 equal groups.	Counters Cubes								
Make equal groups – grouping	There are 10 in total. There are 2 in each group. How many groups? 5	Counters Cubes								
Introduce the division symbol	10 shared by 2 10 ÷ 2 = 5 y	Counters								
Divide by 2	10-2=5	Counters								
Divide by 5	10-5-2	Counters								

Divide by 10											Counters
	2	0	.1.	1	0	11	2				
	0	1 0	00		0	*	0	0	° .	•	
		20									

