| 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 | | | | | | | | | |

