## YEAR 3

Addition: Column Method
The children are expected to add 3 digit by 3 digit numbers where they are required to carry.

Subtraction: Colum Method
The children are expected to subtract 3 digit by 3 digit numbers where they are required to exchange.

|  | (1) $\begin{array}{r}453 \\ -348 \\ \hline\end{array}$ <br> (2) $\begin{array}{r}453 \\ -348 \\ \hline \\ \hline\end{array}$ <br> (3) $\begin{array}{r}453 \\ -348 \\ \hline 5 \\ \hline\end{array}$ <br> 5men $\begin{array}{r} 4 \hbar 3 \\ -348 \\ \hline 05 \\ \hline \end{array}$ <br> 5) $\begin{array}{r}4 \neq 3 \\ -348 \\ \hline 105 \\ \hline\end{array}$ <br> (6) $\begin{array}{r}4 \text { 市3 } \\ -348 \\ \hline 105 \\ \hline\end{array}$ |
| :---: | :---: |
| Multiplication: Column Multiplication <br> The children are expected to multiply a 2 digit number by a 1 digit number. | Division: Bus stop method <br> The children are expected to be able to divide 2 digit numbers by a 1 digit number with no remainders. |
| $1 \begin{array}{r}98 \\ \times \quad 6 \\ \hline\end{array}$ <br> Write each number above each other in the columns. <br> 2 <br> 2 $\begin{array}{r} \times 6 \\ \hline 8 \end{array}$ <br> Multiply the ones column by the multiplier (the bottom number) and cary the tens on the top. <br> 3 | How many times <br> does 3 go int 5 ? <br> It goes into 5 once <br> and has ane <br> remainder of 2.$\quad 57 \div 3=19$ |


| YEAR 4 |  |
| :---: | :---: |
| Addition: Column Method <br> The children are expected to add 4 digit by 4 digit numbers where they are required to carry. | Subtraction: Colum Method <br> The children are expected to subtract 4 digit by 4 digit numbers where they are required to exchange. |
|  |  |
| Multiplication: Column Multiplication <br> The children are expected to multiply a 3 digit number by a 1 digit number. | Division: Bus stop method <br> The children are expected to be able to divide 3 digit numbers by a 1 digit number with no remainders. |
| 1 $\qquad$ <br> $\times 6$ <br> Write each number ahove each other in the columns. <br> 2 <br> Multiply the ones column by the multiplier (the botiom number) <br> 3 <br> 4 $\begin{array}{r} 54 \\ 298 \\ \times \quad 6 \\ \hline 1788 \end{array}$ <br> 5 <br> Finally, multiply the hundreds by, the multiplier making sure you add on any tens you have carried over. on any tens you have carried over. $\begin{array}{r} 54 \\ 298 \\ \times \quad 6 \\ \hline 1788 \\ \hline \end{array}$ |  |


| YEAR 5 |  |
| :---: | :---: |
| Addition: Column Method <br> The children are expected to add 5 digit by 5 digit numbers where they are required to carry. | Subtraction: Colum Method <br> The children are expected to subtract 5 digit by 5 digit numbers where they are required to exchange. |
|  |  |
| Multiplication: Column Multiplication <br> The children are expected to multiply a 2 digit number by a 2 digit number. | Division: Bus stop method <br> The children are expected to be able to divide $\mathbf{3}$ digit numbers by $\mathbf{1}$ digit numbers. |
|  | $5284 \div 12$ <br> $1 \begin{array}{lllll}12 & 5{ }^{5} 2 & 8 & 4\end{array}$ <br> First we divide 5 (thousands) by 12. This gives a result of 0 with a remainder of 5 . The remainder 5 (thousands) is exchanged for 50 hundreds and placed into the hundreds column. This is shown by a small 5 in front of the existing 2 hundreds to make 52 hundreds. <br> 2 <br> Next, we divide 52 (hundreds) by 12. This gives a result of 4 (hundreds) remainder 4 . The tens and placed into the tens column. This is shown by a small 4 in front of the existing 8 tens to make 48 tens. The 4 is written in the hundreds position of the answer above the <br> 3 <br> Netwe wedivide 68 (tens) by 12 . This gives a restit of the the position of whe withen in in the tens and <br> 4 <br> Next, we divide 4 (ones) by 12. This cannot be done, so there are four remaining. A zero is placed in the ones answer section as well as remainder 4. <br> $5284 \div 12=440$ r4 |

## YEAR 6

Addition: Column Method
The children are expected to add 6 digit by 6 digit numbers where they are required to carry.
$\square$

Subtraction: Colum Method
The children are expected to subtract 6 digit by 6 digit numbers where they are


Division: Bus stop method (short, long multiplication) The children are expected to divide a 4 digit number by a 2 digit number.



First we divide 5 (thousand) by 12 . This gives a result of o with a remainder of 5. The remainder 5 (thousands) is exchanged for 50 hundred and
placed into the hundreds column. This is shown placed into the hundreds column. This is shown
by a small 5 in front of the existing 2 hundreds by a small 5 in front of the existing 2 hundreds

2
4
$1 2 \longdiv { 5 } \begin{array} { c c c } { 5 } & { 4 } & { 4 } \\ { \hline } \end{array}$
Next, we divide 52 (hundreds) by 12. This gives a result of 4 (hundreds) remainder 4 . The remainder 4 (hundreds) is exchanged for 40 tens and placed into the tens column. This is shown
by a small 4 in hront $\sigma$ the existing 8 sens by a small 4 in front of the existing 8 tens to $\sigma$
make 48 tens. The 4 is witten in the hundreds position of the answer above the line.
$5284 \div 12$


44
12


Next we divide 48 (tens) by 12. This gives a result of 4 . The 4 is written in the ters position
of the answer above the line.


Next we divide 4 (ones) by 12. This cannot be done, so there are four remaining. A zero is place

$$
440 r 4 \quad 440 \frac{4}{12}=440 \frac{1}{3}
$$

When writing the answer the children noed to be
able to express it as a remainder fraction and able to express it as a remainder, fraction and decimal.

