## 



This could be demonstrated with concrete resources (base10 or place value counters) and drawn pictorially (using dots for Limit numbers to NO remainders or no need ones, lines for tens and squares for hundreds).

1. Using the place value counter, share out the 3 tens between 3 lines. This can be done equally.
2. Now share out the 6 ones between the 3 lines.
3. Count up the amount of place value counters in a line to give the answer.

Stem sentences - I have divided 36 into 3 lines of 1 ten and 24 ones. So, $36 \div 3=12$
to carrying. (each digit must be a multiple of the divisor) See below.

Say, How many 3's are in 9 ? (Remind children that this is actually 90 ).

How many 3 's are in 6 ?

$42 \div 3=$
A division question with a remainder. Can be drawn pictorially (using dots for ones, lines for tens and squares for hundreds)

1. Using the place value counter, share out the 4 tens between 3 lines. This cannot be done equally and so you will need to exchange a ten for 10 ones.
2. Now share out the 10 ones between the 3 lines.
3. Share out the ones (from the original 42).
4. Count up the amount of place value counters in a line to give the answer.

Stem sentences - 'I have divided 42 into 3 lines of 1 ten and 4 ones. So, $42 \div 3=14^{\prime}$


Now move to a remainder within the calculion as shown below.

How many 4's are in 711 with 3 left over. The remainder is recorded next to the next place value column.


Next Step
Now move to 3 digit numbers e.g. $872 \div 4=$

Next Step
Dividing Decimal Numbers without a remainder.
As above but children need to include the decimal point in their answer.


## $345 \div 15=$

What can you multiply 15 by that is close to 345 ? $15 \times 10$ $=150$
$15 \times 20=300$
Subtract the multiple (300) and put the factor of 300 (20) in the multiply column

Repeat step one, but this time what can you multiply 15 by that is close to 45 ? $3 \times 15=45$
Repeat step 2
Your answer is the factors in the multiply column - $20+$ $3=23$

|  |  | 0 | 2 | 3 | $X$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 5 | 3 | 4 | 5 |  |  |
|  | - | 3 | 0 | 0 | 2 | 0 |
|  |  | 0 | 4 | 5 |  |  |
|  | - |  | 4 | 5 |  | 3 |
|  |  |  | 0 | 0 |  |  |
|  |  |  |  |  |  |  |



Stem sentences included


