**Division:**

## Dividing by a single digit whole number:

$3934 \div 7$

*Use the 'bus stop' method*
*Tip: Write a quick fact box if you are unsure of your tables.*

$$\begin{array}{r} 0562 \\ 7\overline{)3934} \\ {\scriptstyle 4\ 1} \end{array}$$

*Don't forget that your answer can not be written starting with a zero if it is greater or equal to 1.*

$3934 \div 7 = \underline{562}$

*Check your answers using rounding:*
*Eg 600 x 7 = 4200*

## Dividing by a double digit whole number:

$7518 \div 21$

*Use long division. Always write a fact box.*

$$\begin{array}{r} 0358 \quad r1 \\ 21\overline{)7519} \\ -63 \quad 3 \times 21 = 63 \\ 121 \\ -105 \quad 3 \times 21 = 105 \\ 169 \\ -168 \quad 8 \times 21 = 168 \\ 1 \end{array}$$

**Fact box:**

| 21x | |
|---|---|
| 1x | 21 |
| 2x | 42 |
| 3x | 63 |
| 4x | 84 |
| 5x | 105 |
| 6x | 126 |
| 7x | 147 |
| 8x | 168 |
| 9x | 189 |
| 10x | 210 |

*Don't forget that your answer can not be written starting with a zero if it is greater or equal to 1.*

$7518 \div 21 = 358\ r1$

*Check your answers using rounding:*
*Eg 400 x 21 = 8400*

## Dividing a decimal:

$393.4 \div 7$

*Use exactly the same method. Just remember to add the decimal point.*

$$\begin{array}{r} 056.2 \\ 7\overline{)393.4} \\ {\scriptstyle 4\ 1} \end{array}$$

*Don't forget that your answer can not be written starting with a zero if it is greater or equal to 1.*

$393.4 \div 7 = \underline{56.2}$

*Remember – if your answer can be written as a decimal, you can add zeros after the decimal point to the dividend (the number being divided).*

$82kg \div 8$

$$\begin{array}{r} 10.25 \\ 8\overline{)82.^{2}0^{4}0} \end{array}$$

$82kg \div 8 = \underline{10.25kg}$

## Interpreting remainders as fractions:

*If your answer can be written as a fraction, simply divide the remainder by the divisor*

$1683 \div 8$

$$8\overline{)1682}$$

$1683 \div 8 = 210\frac{3}{8}$

## Dividing by 10, 100, 1000:

Use a place value chart!
Move one place for each zero.

$43.5 \div 100$

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 4 | 3 | 5 | | |
| | | | 0 | 4 | 3 | 5 |

***Remember:***
Your answer should include the same digits in the same order. Don't forget your placeholder!

$43.5 \div 100 = 0.435$