

| decimal <br> place | Position of the digits to the <br> right of a decimal point <br> Represents a fraction of a <br> whole number |
| :--- | :--- |
| 2 decimal <br> places <br> 2dp | A number with 2 digits after <br> the decimal point |
| 3 decimal <br> places <br> 3dp | A number with 3 digits after <br> the decimal point |
| decimal <br> fraction | A fraction with a <br> denominator of <br> $10,100,1,000 .$. <br> I can be writen with a <br> decimal point |
| One Tenth <br> One <br> Hundredth | $1 / 10$ or 0.1 |
| One <br> Thousandth | $1 / 100$ or 0.01 |

## 1 whole = 10 tenths

1 tenth = 10 hundredths
1 hundredth = 10 thousandths


## Multiplying and Dividing by 10, 100 and 1,000

## Multiplying by powers of 10

| Thousands | Hundreds | Tens | Ones | $\frac{1}{1}$ | $\frac{1}{1}$ | $\frac{1}{10}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4 | 0 | 3 | 7 |
|  |  | 4 | 3 | 0 | 7 |  |


| Thousands | Hundreds | Tens | Ones |  | $\stackrel{1}{10}$ | $\stackrel{1}{100}$ | $\stackrel{1}{1000}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 9 |  |  |  |  |
|  |  |  | 2 |  | 9 |  |  |
|  |  | 2 | 9 | , |  |  |  |
|  |  |  | 0 |  | 2 | 9 |  |
|  |  | 2 | 9 |  |  |  |  |
|  |  |  | 0 |  | 0 | 2 | 9 |

