Decimal place value
Year 5/6-Decimals and Percentages

## Rounding decimals

e.g. Rounded to the nearest whole number


## Ordering decimals

START with the digits with the most value.

If the digits are the same move to the next.

Remember to check
the column value

| $\frac{\text { Multiplying }}{\text { Decimals }}$ |  |
| :---: | :---: |
| $\frac{£ 5.53}{6} \mathrm{f33.18}$ |  |
| $\frac{\text { Dividing }}{\gamma x}$ |  |
| Decimal point <br> stays where it is | Decimals <br> Decimal point <br> stays where it is |

## Percentages

Percent means per $\mathbf{1 0 0}$ or $\mathbf{1 0 0}$


## Decimals and fractions

$$
\frac{1}{10}=0.1 \quad \frac{1}{100}=0.01 \quad \frac{1}{1000}=0.001
$$

$0.35=\frac{3}{10}+\frac{5}{100}=\frac{35}{100}$
$0.741=\frac{7}{10}+\frac{4}{100}+\frac{1}{1000}=\frac{741}{1000}$
$\frac{100}{100}=100 \% \quad \frac{1}{100}=1 \% \quad \frac{37}{100}=37 \%$
Common fraction, decimal, \% equivalencies
$\frac{1}{10}=0.1=10 \% \quad \frac{3}{4}=0.75=75 \%$
$\frac{1}{2}=0.5=50 \% \quad \frac{1}{5}=0.2=20 \%$
$\frac{1}{4}=0.25=25 \% \quad \frac{1}{8}=0.125=12.5 \%$

