## Key Vocabulary and symbols

Mixed number- contains a whole number and a fraction.
Improper fraction- contains a numerator which is greater than or equal to a denominator
Multiple- a number that can be divided evenly by a given number. Factor- is a number that is multiplied by another number to get a

\[

\] product.

Converting mass, capacity, and length.

$1000 \mathrm{~g}=1 \mathrm{~kg}$
$\frac{1}{10} \mathrm{~kg}=0.1 \mathrm{~kg}=100 \mathrm{~g}$
$\frac{1}{4} \mathrm{~kg}=0.25 \mathrm{~kg}=250 \mathrm{~g}$
$\frac{1}{2} \mathrm{~kg}=0.5 \mathrm{~kg}=500 \mathrm{~g}$
$\frac{3}{4} \mathrm{~kg}=0.75 \mathrm{~kg}=750 \mathrm{~g}$


Converting a mixed number to an improper fraction

Multiply the whole by
the denominator to make an improper fraction.

Add the fractions together.

## Place value

## 926471

| Hundred <br> Thousands | Ten <br> Thousands | Thousands | Hundreds | Tens | Ones |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{9}$ | $\mathbf{2}$ | $\mathbf{6}$ | $\mathbf{4}$ | $\mathbf{7}$ | $\mathbf{1}$ |

nine hundred and twenty-six thousand, four hundred and seventy-one
Rounding to the nearest 10


Rounding to the nearest 1000
$\begin{array}{lllllllllll}10 & 10 & 10 & \frac{10}{10} & \frac{4}{10} & \frac{5}{10} & \frac{6}{10} & \overline{10} & \frac{8}{10} & \frac{9}{10} & \frac{10}{10}\end{array}$
$\begin{array}{lllllllllll}0 & 0.1 & 0.2 & 0.3 & 0.4 & 0.5 & 0.6 & 0.7 & 0.8 & 0.9 & 1\end{array}$

| $\frac{0}{100}$ | $\frac{1}{100}$ | $\frac{2}{100}$ | $\frac{3}{100}$ | $\frac{4}{100}$ | $\frac{5}{100}$ | $\frac{6}{100}$ | $\frac{7}{100}$ | $\frac{8}{100}$ | $\frac{9}{100}$ | $\frac{1}{10}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |



 $\left.\left.\left.\left.\left.\left|\left.\right|_{0.001}\right|_{0.002}\right|_{0.003}\right|_{0.004}\right|_{0.005}\right|_{0.006}\right|_{0.007} ^{(\mid} \mid$

| Roman Numerals |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | $I=1$ | $I I=2$ | III $=3$ |  |
| IV $=4$ | $V=5$ | VI $=6$ | VII $=7$ | VIII $=8$ |
| $\mathrm{IX}=9$ | $X=10$ | $X I=11$ | $X X=20$ | $X X X=30$ |
| $X L=40$ | $L=50$ | $L X=60$ | $L X X=70$ | $L X X X=80$ |
| $X C=90$ | $C=100$ | $C L=150$ | $C C=200$ | $C C C=300$ |
| $C D=400$ | $D=500$ | $D C=600$ | $D C C=700$ | $D C C C=800$ |
| $C M=900$ | $M=1000$ | $M C=1100$ | $M D=1500$ | $M M=2000$ |



Multiples of 90 degrees can be used as



