## Grade 8 Mathematics Formula Sheet

Geometric Formulas

$A=\frac{1}{2} b h$

$p=4 s$
$A=s^{2}$


$$
\begin{aligned}
& p=2 l+2 w \\
& A=l w
\end{aligned}
$$


$A=b h$

$V=l w h$
$S . A .=2 l w+2 l h+2 w h$

$V=\pi r^{2} h$
S.A. $=2 \pi r h+2 \pi r^{2}$

$c^{2}=a^{2}+b^{2}$

Abbreviations

| milligram | mg |
| :--- | :--- |
| gram | g |
| kilogram | kg |
| milliliter | mL |
| liter | L |
| kiloliter | kL |
| millimeter | mm |
| centimeter | cm |
| meter | m |
| kilometer | km |
| square centimeter | $\mathrm{cm}^{2}$ |
| cubic centimeter | $\mathrm{cm}^{3}$ |


| ounce | oz |
| :--- | :--- |
| pound | lb |
| quart | qt |
| gallon | gal. |
| inch | in. |
| foot | ft |
| yard | yd |
| mile | mi. |
| square inch | $\mathrm{sq} \mathrm{in}$. |
| square foot | sq ft |
| cubic inch | $\mathrm{cu} \mathrm{in}$. |
| cubic foot | cu ft |


| volume | $V$ |
| :--- | :--- |
| total surface area | S.A. |
| area of base | $B$ |
|  |  |


| year | yr |
| :--- | :--- |
| month | mon |
| hour | hr |
| minute | min |
| second | sec |

Pi

$$
\begin{aligned}
& \pi \approx 3.14 \\
& \pi \approx \frac{22}{7}
\end{aligned}
$$

