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| |  | | --- | | **Reference Table** | |



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| http://www.regentsprep.org/regents/math/algebra/as2/j0095769.gif | **Volume** is measured in **cubic** units. **Surface area** is measured in **square** units. |

**Volume (*V*) and Surface Area (*SA*) Formulas  
Note:**Surface area formulas may need to be amended if the figure has "open" surfaces,  
such as when working with a box without a lid or with an empty paper towel roll.

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| http://www.regentsprep.org/regents/math/algebra/as2/recsolid.gif | **Rectangular Solid**  ***V=lwh***  ***SA=2lh + 2hw + 2lw*** This formula assumes a "closed box", with all 6 sides. |
| http://www.regentsprep.org/regents/math/algebra/as2/cylinder.gif | **Cylinder**  http://www.regentsprep.org/regents/math/algebra/as2/Solids1.gif  http://www.regentsprep.org/regents/math/algebra/as2/Solids2.gif This formula assumes a "closed container", with a top and bottom.. |
| (*optional formula*) http://www.regentsprep.org/regents/math/algebra/as2/sphere.gif | **Sphere**  http://www.regentsprep.org/regents/math/algebra/as2/Solids3.gif  http://www.regentsprep.org/regents/math/algebra/as2/Solids4.gif |
| (*optional formula*) http://www.regentsprep.org/regents/math/algebra/as2/cone.gif | **Cone**  http://www.regentsprep.org/regents/math/algebra/as2/Solids5.gif  http://www.regentsprep.org/regents/math/algebra/as2/Solids6.gif This formula assumes a "closed container", with a bottom.. |