Geometric Formulas

- **Triangle**
  \[ A = \frac{1}{2}bh \]

- **Square**
  \[ p = 4s \]
  \[ A = s^2 \]

- **Rectangle**
  \[ p = 2l + 2w \]
  \[ A = lw \]

- **Circle**
  \[ C = 2\pi r \]
  \[ A = \pi r^2 \]

- **Parallelogram**
  \[ A = bh \]
  \[ A = \frac{1}{2}h(b_1 + b_2) \]

- **Trapezoid**
  \[ V = lwh \]
  \[ S.A. = 2lw + 2hl + 2wh \]

- **Cylinder**
  \[ V = \pi r^2h \]
  \[ S.A. = 2\pi r^2 + 2\pi rh \]

- **Cone**
  \[ V = \frac{1}{3}Bh \]
  \[ S.A. = \frac{1}{2}lp + B \]

- **Pyramid**
  \[ V = \frac{1}{3}\pi r^2h \]
  \[ S.A. = \pi r^2 + \pi rl \]

Abbreviations

<table>
<thead>
<tr>
<th>Unit</th>
<th>Symbol</th>
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<tbody>
<tr>
<td>milligram</td>
<td>mg</td>
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<tr>
<td>gram</td>
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<tr>
<td>kilogram</td>
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<tr>
<td>milliliter</td>
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<td>liter</td>
<td>L</td>
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<td>kiloliter</td>
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<tr>
<td>millimeter</td>
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<td>centimeter</td>
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<td>meter</td>
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<td>kilometer</td>
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<tr>
<td>square centimeter</td>
<td>cm²</td>
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<tr>
<td>cubic centimeter</td>
<td>cm³</td>
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<tr>
<td>ounce</td>
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<tr>
<td>pound</td>
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<td>quart</td>
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<td>gallon</td>
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<td>inch</td>
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<td>foot</td>
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<td>yard</td>
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<tr>
<td>mile</td>
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</tr>
<tr>
<td>square inch</td>
<td>sq in.</td>
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<tr>
<td>square foot</td>
<td>sq ft.</td>
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<tr>
<td>cubic inch</td>
<td>cu in.</td>
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<tr>
<td>cubic foot</td>
<td>cu ft.</td>
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</tbody>
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**Area**

- **Area of Base**
  \[ A \]
- **Circumference**
  \[ C \]
- **Perimeter**
  \[ p \]
- **Surface Area**
  \[ S.A. \]
- **Volume**
  \[ V \]

**Pi**

- \( \pi \approx 3.14 \)
- \( \pi \approx \frac{22}{7} \)