**Grade 5 FCAT 2.0 Mathematics Reference Sheet**

### Area

<table>
<thead>
<tr>
<th>Shape</th>
<th>Formula</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangle</td>
<td>$A = bh$</td>
<td>$b$ = base $A$ = area $h$ = height $B$ = area of base</td>
</tr>
<tr>
<td>Parallelogram</td>
<td>$A = bh$</td>
<td></td>
</tr>
<tr>
<td>Triangle</td>
<td>$A = \frac{1}{2}bh$ or $A = (bh) + 2$</td>
<td>$w$ = width $V$ = volume $S.A.$ = surface area</td>
</tr>
<tr>
<td>Trapezoid</td>
<td>$A = \frac{1}{2}h(b_1 + b_2)$ or $A = h(b_1 + b_2) + 2$</td>
<td></td>
</tr>
</tbody>
</table>

### Volume of Rectangular Prism

- $V = bwh$ or $V = Bh$

### Surface Area of Rectangular Prism

- $S.A. = 2bh + 2bw + 2hw$

### Customary Conversions

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Conversion Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 foot</td>
<td>12 inches</td>
<td>12</td>
</tr>
<tr>
<td>1 yard</td>
<td>3 feet</td>
<td>3</td>
</tr>
<tr>
<td>1 mile</td>
<td>5,280 feet</td>
<td>5,280</td>
</tr>
<tr>
<td>1 mile</td>
<td>1,760 yards</td>
<td>1,760</td>
</tr>
<tr>
<td>1 acre</td>
<td>43,560 square feet</td>
<td>43,560</td>
</tr>
</tbody>
</table>

### Metric Conversions

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Conversion Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 centimeter</td>
<td>10 millimeters</td>
<td>10</td>
</tr>
<tr>
<td>1 meter</td>
<td>100 centimeters</td>
<td>100</td>
</tr>
<tr>
<td>1 meter</td>
<td>1000 millimeters</td>
<td>1000</td>
</tr>
<tr>
<td>1 kilometer</td>
<td>1000 meters</td>
<td>1000</td>
</tr>
</tbody>
</table>

### Time Conversions

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Conversion Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 minute</td>
<td>60 seconds</td>
<td>60</td>
</tr>
<tr>
<td>1 hour</td>
<td>60 minutes</td>
<td>60</td>
</tr>
<tr>
<td>1 day</td>
<td>24 hours</td>
<td>24</td>
</tr>
<tr>
<td>1 week</td>
<td>7 days</td>
<td>7</td>
</tr>
<tr>
<td>1 year</td>
<td>365 days</td>
<td>365</td>
</tr>
<tr>
<td>1 year</td>
<td>52 weeks</td>
<td>52</td>
</tr>
</tbody>
</table>

*Note: Metric numbers with four digits are presented without a comma (e.g., 9960 kilometers). For metric numbers greater than four digits, a space is used instead of a comma (e.g., 12 500 liters).