










# TI-30XS MultiView™

## Calculator Reference Sheet for TASC Test

<p><b>Read First</b></p>	<p>These symbols     refer to the keypad  on the calculator.</p> <p>Use <b>mode</b> to choose modes. Press , , , or  to choose a mode, and <b>enter</b> to select it. To return to the Home screen, press <b>clear</b> or <b>2nd mode</b>.</p>	
<p><b>Calculating with Decimals</b></p>	<p>To calculate with decimals, enter the whole number, then <b>.</b>, and then the fractional part.</p> <p>Example</p> $15.246 - 6.82 + 0.05 =$ <p><b>1 5 . 2 4 6 - 6 . 8 2 + 0 . 0 5 enter</b></p>	<p><b>Correct Answer</b></p> <p>8.476</p>
<p><b>Calculating with Fractions</b></p>	<p>To calculate with fractions, use the <b><math>\frac{\square}{\square}</math></b> button. The answer will automatically be in its simplest form.</p> <p>Example</p> $\frac{2}{5} \div \frac{4}{9} =$ <p><b>2 <math>\frac{\square}{\square}</math> 5 <math>\div</math> 4 <math>\frac{\square}{\square}</math> 9 enter</b></p>	<p><b>Correct Answer</b></p> $\frac{9}{10}$
<p><b>Calculating with Mixed Numbers</b></p>	<p>To calculate with mixed numbers, use the <b>2nd <math>\frac{\square}{\square}</math></b> buttons. To see the fraction as an improper fraction, do not press the <b>2nd <math>\times 10^{\square}</math></b> buttons in sequence below. The calculator must be in MathPrint™ mode for this key combination to work.</p> <p>Example</p> $9\frac{2}{3} \div 5\frac{3}{5} =$ <p><b>9 2nd <math>\frac{\square}{\square}</math> 2 <math>\div</math> 3 <math>\div</math> 5 2nd <math>\frac{\square}{\square}</math> 3 <math>\div</math> 5 <math>\div</math> 2nd <math>\times 10^{\square}</math> enter</b></p>	<p><b>Correct Answer</b></p> $1\frac{61}{84}$
<p><b>Calculating Using the Order of Operations</b></p>	<p>The TI-30XS MultiView™ automatically evaluates numerical expressions using the Order of Operations based on how the expression is entered.</p> <p>Example</p> $21 \div 3 \times 2 - 6 =$ <p><b>2 1 <math>\div</math> 3 <math>\times</math> 2 - 6 enter</b></p> <p>Note: The 3 is <b>not</b> multiplied by the 2 before division occurs.</p>	<p><b>Correct Answer</b></p> <p>8</p>
<p><b>Calculating with Percents</b></p>	<p>To calculate with percentages, enter the percent number, and then <b>2nd <math>\square</math></b>.</p> <p>Example</p> $68\% \times 375 =$ <p><b>6 8 2nd <math>\square</math> <math>\times</math> 3 7 5 enter</b></p>	<p><b>Correct Answer</b></p> <p>255</p>

<p><b>Calculating with Powers and Roots</b></p>	<p>To calculate with powers and roots, use the <math>x^2</math> and <math>\wedge</math> buttons for powers and the <math>2^{nd}</math> <math>x^2</math> and <math>2^{nd}</math> <math>\wedge</math> buttons for roots.</p> <p>Example</p> $17^2 =$ <p><math>1</math> <math>7</math> <math>x^2</math> <b>enter</b></p> <p>Example</p> $3^5 =$ <p><math>3</math> <math>\wedge</math> <math>5</math> <b>enter</b></p> <p>Example</p> $\sqrt{961}$ <p><math>2^{nd}</math> <math>x^2</math> <math>9</math> <math>6</math> <math>1</math> <b>enter</b></p> <p>Example</p> $\sqrt[4]{4096}$ <p><math>4</math> <math>2^{nd}</math> <math>\wedge</math> <math>4</math> <math>0</math> <math>9</math> <math>6</math> <b>enter</b></p> <p>You can use the <math>\wedge</math> and <math>2^{nd}</math> <math>\wedge</math> buttons to also compute squares and square roots.</p>	<p><b>Correct Answer</b></p> <p>289</p> <p><b>Correct Answer</b></p> <p>243</p> <p><b>Correct Answer</b></p> <p>31</p> <p><b>Correct Answer</b></p> <p>8</p>
<p><b>Calculating with Scientific Notation</b></p>	<p>To calculate in scientific notation, use the <math>\times 10^n</math> button. Make sure your calculator is in Scientific notation in the <b>mode</b> menu.</p> <p>See also the Read First section at the beginning of this document.</p> <p>Example</p> $\frac{3.6 \times 10^8}{2.4 \times 10^3} =$ <p><math>(</math> <math>3</math> <math>.</math> <math>6</math> <math>\times 10^n</math> <math>8</math> <math>)</math> <math>\div</math> <math>(</math> <math>2</math> <math>.</math> <math>4</math> <math>\times 10^n</math> <math>3</math> <math>)</math> <b>enter</b></p> <p>Make sure to change the calculator back to Normal in the <b>mode</b> menu when finished with Scientific notation.</p>	<p><b>Correct Answer</b></p> <p><math>1.5 \times 10^5</math></p>
<p><b>Using the Toggle Function</b></p>	<p>In MathPrint™ mode, you can use the toggle button <math>\leftrightarrow</math> to switch between decimal answers and their corresponding exact answers (fractions, roots, <math>\pi</math>, etc.).</p> <p>See also the Read First section at the beginning of this document.</p> <p>Example</p> $\frac{2}{7} =$ <p><math>2</math> <math>\frac{\square}{\square}</math> <math>7</math> <b>enter</b> <math>\leftrightarrow</math></p> <p>If an exact answer is not required, you can press the toggle button <math>\leftrightarrow</math> immediately to get a decimal approximation from an exact answer without reentering the expression.</p>	<p><b>Correct Answer</b></p> <p>0.285714286</p>