



TI-30XS MultiView™ Calculator Reference Sheet for TASC Test (Revised August 2016)

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

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