


TI-30XS MultiView™ Calculator Reference Sheet for TASC Test (Revised April 9, 2015)

<p>Calculating with Decimals</p>	<p>To calculate with decimals, enter the whole number, then \square, and then the fractional part.</p> <p>Example $15.246 - 6.82 + 0.05 =$ $\square 1 \square 5 \square \cdot \square 2 \square 4 \square 6 \square - \square 6 \square \cdot \square 8 \square 2 \square + \square 0 \square \cdot \square 0 \square 5 \square \text{enter}$</p>	<p>Correct Answer 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>See also the Additional Information section at the end of this document.</p> <p>Example $\frac{2}{5} \div \frac{4}{9} =$ $\square 2 \square \frac{\square}{\square} \square 5 \square \div \square 4 \square \frac{\square}{\square} \square 9 \square \text{enter}$</p>	<p>Correct Answer $\frac{9}{10}$</p>
<p>Calculating with Mixed Numbers</p>	<p>To calculate with mixed numbers, use the $\square 2^{\text{nd}} \frac{\square}{\square}$ buttons. To see the fraction as an improper fraction, do not press the $\square 2^{\text{nd}} \times 10^{\square}$ buttons in sequence below. The calculator must be in MathPrint™ mode for this key combination to work.</p> <p>See also the Additional Information section at the end of this document.</p> <p>Example $9 \frac{2}{3} \div 5 \frac{3}{5} =$ $\square 9 \square 2^{\text{nd}} \frac{\square}{\square} \square 2 \square \div \square 3 \square \div \square 5 \square 2^{\text{nd}} \frac{\square}{\square} \square 3 \square \div \square 5 \square 2^{\text{nd}} \times 10^{\square} \square \text{enter}$</p>	<p>Correct Answer $1 \frac{61}{84}$</p>
<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 $21 \div 3 \times 2 - 6 =$ $\square 2 \square 1 \square \div \square 3 \square \times \square 2 \square - \square 6 \square \text{enter}$</p> <p>Note: The 3 is not multiplied by the 2 before division occurs.</p>	<p>Correct Answer 8</p>
<p>Calculating with Percents</p>	<p>To calculate with percentages, enter the percent number, and then $\square 2^{\text{nd}} \square \square$.</p> <p>Example $68\% \times 375 =$ $\square 6 \square 8 \square 2^{\text{nd}} \square \square \times \square 3 \square 7 \square 5 \square \text{enter}$</p>	<p>Correct Answer 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 $17^2 =$ 1 7 x^2 enter</p> <p>Example $3^5 =$ 3 \wedge 5 enter</p> <p>Example $\sqrt{961}$ 2^{nd} x^2 9 6 1 enter</p> <p>Example $\sqrt[4]{4096}$ 4 2^{nd} \wedge 4 0 9 6 enter</p> <p>You can use the 2^{nd} x^2 and 2^{nd} \wedge buttons to also compute squares and square roots.</p>	<p>Correct Answer 289</p> <p>Correct Answer 243</p> <p>Correct Answer 31</p> <p>Correct Answer 8</p>
<p>Calculating with Scientific Notation</p>	<p>To calculate in scientific notation, use the $x10^n$ button. Make sure your calculator is in Scientific notation in the mode menu.</p> <p>See also the Additional Information section at the end of this document.</p> <p>Example $2.41 \times 10^4 + 7.908 \times 10^3 =$ 2 $.$ 4 1 $x10^n$ 4 \rightarrow $+$ 7 $.$ 9 0 8 $x10^n$ 3 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 3.2008×10^4</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 Additional Information section at the end of this document.</p> <p>Example $\frac{2}{7} =$ 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 0.285714286</p>
<p>Additional Information</p>	<p>These symbols \downarrow \leftarrow \uparrow \rightarrow refer to the keypad  on the calculator.</p> <p>Use mode to choose modes. Press \downarrow, \leftarrow, \uparrow, or \rightarrow to choose a mode, and enter to select it. To return to the Home screen, press clear or 2^{nd} quit.</p>	