



## TI-30XS Calculator Reference Sheet

The calculator reference sheet is provided on most items on the 2014 GED® Mathematical Reasoning Mathematical Reasoning test, as well as certain items on the Scientific Reasoning and Social Studies tests. The calculator reference sheet is provided to test-takers in order to demonstrate the functionality of the onscreen calculator, specifically in terms of what order to click the buttons in complex problems, such as order of operations or calculating with fractions.

<p><b>BASIC ARITHMETIC</b></p>	<p>To perform basic arithmetic, enter numbers and operation symbols using the standard order of operations.</p> <p><b>EXAMPLE</b></p> $8 \times -4 + 7 =$ <p>The correct answer = <b>-25</b></p>
<p><b>PERCENTAGES</b></p>	<p>To calculate with percentages, enter the number, then .</p> <p><b>EXAMPLE</b></p> $40\% \times 560 =$ <p>The correct answer = <b>224</b></p>
<p><b>SCIENTIFIC NOTATION</b></p>	<p>To perform calculations with scientific notation, use the  key.</p> <p><b>EXAMPLE</b></p> $7.8 \times 10^8 - 1.5 \times 10^8 =$ <p>The correct answer = <b>63000000</b></p>
<p><b>FRACTIONS</b></p>	<p>To perform calculations with fractions, use the  key. The answer will automatically be formatted in reduced form.</p> <p><b>EXAMPLE</b></p> $\frac{2}{9} \times \frac{3}{7} =$ <p>The correct answer = <math>\frac{2}{21}</math></p>

MIXED NUMBERS

To perform calculations with mixed numbers, use  . As with fractions, the answer will automatically be formatted in reduced form.

EXAMPLE

$$12\frac{5}{6} - 1\frac{1}{2} =$$

The correct answer =  $\frac{34}{3}$

POWERS AND ROOTS

To perform calculations with powers and roots, you will use the following keys:

EXAMPLE

$$1.2^2 =$$

The correct answer = **1.44**

EXAMPLE

$$7^4 =$$

The correct answer = **2401**

EXAMPLE

$$\sqrt{529} =$$


The correct answer = **23**

EXAMPLE

$$\sqrt[3]{1728} =$$

The correct answer = **12**

TOGGLE KEY

The answer toggle key  can be used to toggle the display result between fraction and decimal answers, exact square root and decimal, and exact pi and decimal.

EXAMPLE

$$\frac{9}{10} =$$

The correct answer = **0.9**