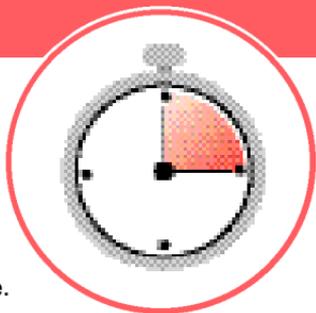# Rational Timer

The game challenges you to convert numbers to fractions, decimals or percent. The format that the number should be converted to is shown below the clock. Try to beat the clock by entering the correct answer as quickly as possible.

Before you begin this activity, you will need the Rational Number Rampage App loaded on your TI-73 Explorer™. Read the instructions and download the App from education.ti.com/apps
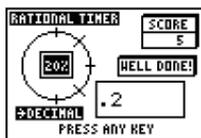
Engage

1. Press APPS and select RRampage, then press any key to go through the beginning screens and press 1 1:Rational Timer
2. Press <HELP> (GRAPH) to review the directions to the game
   Use <NEXT> (GRAPH) to go step-by-step through the screens
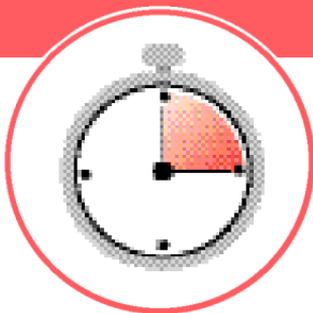3. Press <QUITHELP> (Y=) to quit the Help section

Explore

1. Select level of play by using the ▼ ▲ keys:
   Bronze is the easiest
   Silver includes mixed numerals
   Gold includes mixed numerals and repeating decimals
2. Press ENTER
3. A clock will appear with a problem inside asking you to change it into an equivalent fraction (in lowest terms), a decimal, or a percent. The selections at the bottom of the screen are controlled by the keys directly below them (you will not see these until you press ENTER and begin the timer):
   <MENU> (Y=): press menu several times
   to close out the APP

Continued on back

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Rational Timer

\<Bar\> (WINDOW): this is a bar to show a repeating decimal. For example, to change 1/3 into a decimal, the key strokes are . 3 ◄ \<BAR\> (WINDOW) ENTER

\<Unit\> (ZOOM): this is used to key in mixed numerals. For example, to type 1 4/8, the key strokes are 1 \<UNIT\>(ZOOM) 4\<n/d\> (TRACE) 8 ENTER

\<n/d\> (TRACE): this is the fraction bar. For example, to enter 6/8, press 6 \<n/d\> (TRACE) 8 ENTER \<%\> (GRAPH)

4. Press any key to start
5. Always press ENTER after you input your answer
6. If you type in an incorrect answer but still have time on the clock, press CLEAR and key in the correct answer

Extend
1. The calculator will award points
2. In the end, if you get the high score, you can enter your score using your initials. To change AAA to your initials, use the arrow keys and press ENTER after each initial

Scoring:
Your score is calculated based on your level of play and the number of tick marks left on the clock when you enter a correct answer.

Level	Points per Tick Mark
Bronze	1
Silver	2
Gold	3