

# Just a Second

## RIF EXTENSION ACTIVITIES FOR EDUCATORS



### THINK-TAC-TOE ACTIVITY OPTIONS

- ◆ Individual students can choose an activity to complete.
- ◆ Student pairs or cooperative groups can work together on a choice of their own.
- ◆ Educator can assign an activity for an individual, pairs, or groups.

<p><b>A TIMELESS INVENTION</b></p> <p>Invent a new timepiece that doesn't use minutes or seconds. How would it work? What would it measure? Make an advertising brochure explaining your invention to customers. Be specific and include a picture!</p> <p><i>Writing, Math, Science, Engineering</i></p>	<p><b>DO YOU MEAN IT?</b></p> <p>"Just a second" is a <i>figure of speech</i>. Make a list of at least 5 other figures of speech. Write a story or draw a comic strip about a day in the life of a person who takes everything <i>literally</i>. What happens? What problems does this cause? Use all the phrases on your list in your story or comic.</p> <p><i>Writing, Art</i></p>	<p><b>FRACTIONS IN ACTION</b></p> <p>Write 5 math problems about time using fractions. (For example: <math>1/4</math> of a day + <math>1/2</math> of an hour = how many hours? ) Make an answer sheet, then trade papers with a friend to see if you can solve each other's problems.</p> <p><i>Math, Writing</i></p>
<p><b>I CAN DO THAT!</b></p> <p>Find a task you can complete or an expression you can say 10 times in 10 seconds. Think about how long a minute is. Try your task/expression 60 times. Time yourself. Did it really take one minute? Explain why or why not.</p> <p><i>Math, Science</i></p>	<p><b>POPULATION PREDICTION</b></p> <p>Log onto: <a href="http://www.census.gov/main/">www.census.gov/main/</a> <a href="http://www.popclock.html">www.popclock.html</a></p> <p>Record your start time. Write down the populations for the US and the World. Reload the page after 1 minute, 5 minutes, and 10 minutes. How much did each population change each time? Which changed more? What did you notice?</p> <p><i>Technology, Math, Science, Writing</i></p>	<p><b>A BOOK OF TIME</b></p> <p>Create your own book of time. Include at least one page for each measurement—second, minute, week, month, and year. For each measurement, list at least 5 things that take that long. Try to think of things that relate to you. (Example: In one second, I can touch my toes.)</p> <p><i>Writing, Art, Science, Math</i></p>
<p><b>EXPERIMENTAL ESTIMATION</b></p> <p>How good are you at estimation? Do you know how long a minute is? Design an experiment to find out! Write out a hypothesis: _____ will take one minute. Write the procedure for your experiment. Then conduct it and write your conclusion! Were you right?</p> <p><i>Science, Math, Writing</i></p>	<p><b>ADD IT UP!</b></p> <p>Pick one of the facts from the text that explains how many times something happens in a second. How many times would it happen in a minute? Day? Week? Month? Year? Do the math to find out—and show your work! Do you notice any patterns?</p> <p><i>Math</i></p>	<p><b>MERCURY MATH</b></p> <p>On the planet Mercury, one year is about 80 days here on Earth. How would an 80-day year change your life? What would be the biggest changes? What do you think might stay the same? Write an essay or a short story to give your answer.</p> <p><i>Writing, Math, Science</i></p>