

Show the pirates the one minute sand glass. Have a volunteer explain how the sand glass can measure time. Next have the crew gather around it and watch the sand flow through from beginning to end.

Now have them watch it again and count with them (e.g., buccaneer 1, buccaneer 2, etc.) as the sand falls and the seconds pass. What is the final count after all the sand has fallen? How close was the count to 60?

Now have the buccaneers do a number of pretend “pirate activities” for one minute to gain an understanding of how long a minute feels while doing the activities.

Some examples:

- Walking around the “ship” with a limp (as if they have a peg leg).
- Covering one eye and walking around the “ship.”
- Swabbing (cleaning) of the deck.
- Hoisting of the sails.
- Being absolutely quiet.

Teacher Note: This is a good activity to do outside or in the gymnasium. Comparing the sand timer with a stop watch may be illuminating.

Enrichment Extension: How can you use a 3-minute timer and a 4-minute timer to measure 5 minutes? Let pirates work together on this puzzle.

MATERIALS:

- Sand glass