

Keep this sheet.  
Collect them all!



## Explore your world with this Science-to-Go backpack



### Books in this backpack

- **Bedtime Math: A Fun Excuse to Stay Up Late**  
by Laura Overdeck
- **The Lion's Share**  
by Matthew McElligott
- **Math Curse**  
by Jon Scieszka
- **Missing Math: A Number Mystery**  
by Loreen Leedy
- **One Grain of Rice**  
by Demi

More books  
at your  
library

A Remainder of One. Elinor J. Pinczes. E PINCZES  
How Much Is a Million? David M. Schwartz. E513.211  
Math Attack. Joan Horton. E HORTON  
More or Less. Stuart J. Murphy. E513  
Outdoor Math. Emma Adbge. E513

### Local Connection

Go grocery shopping and add prices of items together. See if you can estimate the whole grocery bill. Or count the number of turns on your way home. Are there other routes to take? Are there any that would be faster?

# ACTIVITY

## Seconds to Go!

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Seconds are so fast, they seem like no time at all. Yet, seconds sure add up quickly. In this activity we learn about seconds by connecting them to physical activity: how far someone can run, climb, hop or jump in five seconds. Along the way, they get practice with prediction and time-keeping.

### What you need:

- Watch or clock that shows seconds
- Chalk, masking tape or string
- Large room, yard or park

### Try this:

1. Put a starting line down with chalk, masking tape or string.
2. With the learner's input, pick a way that they (or the group) will move. Possibilities include running, hopping, crab-walking, skipping, crawling—whatever!
3. Before starting, have everyone predict how far they can go in five seconds. To the tree? To the fence?
4. Go! Children line up and start the 5-second race while you keep time.
5. Call out each second or say "FREEZE" at the 5-second mark.
6. Compare predictions with results.
7. Repeat with a new way to move. Do they get better at predicting?
8. Have your child be the time and record keeper.

### Going Further

Often scientists use samples of data to give them an idea of what was happening on a bigger scale. Based on the short dash, can you figure out how far each person could dash in 10 seconds? One minute? Do the math and try it out!