

PARADE Time

Without math, this Thanksgiving parade would just be a lot of hot air!

SpongeBob SquarePants lives in a pineapple under the sea, right? Not on November 22! Starting at 9:00 a.m., SpongeBob and some 40-foot-tall balloon friends will march above the streets of New York City. They're part of the Macy's Thanksgiving Day Parade!

More than 2 million people will crowd the sidewalks from 77th Street to 34th Street to watch the balloons, floats, and performers. Another 50 million people will watch the parade on TV!

To make sure the crowd gets a good show, all the acts must stay on time. Bill Schermerhorn is the director of the parade. He knows where each act is supposed to be at all times. Bill told *DynaMath* that the last balloon character must finish at 34th Street at noon. "If he doesn't arrive by then, I wouldn't have a job!" Bill joked.

There are 5 *timing marshals* in the parade. They check their watches at every street. "This helps us stay on schedule," Bill said. If they're running late, they have to speed up the parade—but only a little bit. That way, Bill said, "no one at home will notice and think the parade is rushing!"

Solve the problems in our activity. Then you'll see why timing is everything for this parade!



SpongeBob soars over the streets of New York City!

What to Do

Use the information from the "Parade Plan" and the example below to answer the questions.

Example: Where should SpongeBob be at 10:15 a.m.?

- ✓ The Parade Plan says that SpongeBob will be at 70th Street at 10:04. It also says that each balloon moves 1 block downtown each minute.
- ✓ There are 11 minutes between 10:04 and 10:15, so SpongeBob would move 11 blocks.
- ✓ Subtract 11 blocks from 70th Street. So, SpongeBob will be at 59th Street at 10:15 a.m.

PARADE PLAN

This chart shows where 7 different balloons might be at 10:04 a.m.* Each one moves downtown at a rate of 1 block per minute.

72nd Street:	Chicken Little
71st Street:	Garfield
70th Street:	SpongeBob SquarePants
69th Street:	Mr. Potato Head
68th Street:	Pikachu
67th Street:	Scooby-Doo
66th Street:	Spider-Man

*Note: The lineup includes balloons that may appear in this year's parade. This is not the balloons' actual order.

- 1 Find where the Spider-Man balloon should be at 10:20.
 - A. Fill in both blanks with the same number: The chart says Spidey will be at 66th Street at 10:04. From 10:04 to 10:20 is _____ minutes. So, Spider-Man will move _____ blocks.
 - B. Subtract your answer to part A from 66th Street to find Spider-Man's location at 10:20.

- 2 At 10:27, on which block should . . .
 - A. Chicken Little be?

- B. Scooby-Doo be?

- 3 At what time should . . .
 - A. Mr. Potato Head be at 43rd Street?

- B. Pikachu be at 36th Street?

- 4 If balloons moved 2 blocks per minute, when would Garfield reach 57th Street?

SUPERMATH

The last balloon finishes at 34th Street at noon. When should it start at 77th Street?

Web Wise

Read more about Bill Schermerhorn's job at [www.scholastic.com/dynamath!](http://www.scholastic.com/dynamath)

—By Sarah Klein