

# MATH AT WORK ACTIVITY

## PARALYMPIC™ HOPEFUL

**Materials:** Stopwatch, paper, markers or crayons  
**Number of students:** 2 or more  
**Time needed:** 15 minutes



**What does it take to qualify for the Paralympic cycling national team? In 2020, an athlete must be able to cycle one lap around a track in 23.6 seconds. Give it a try—on paper!**

### 1 CREATE THE BICYCLE AND TRACK

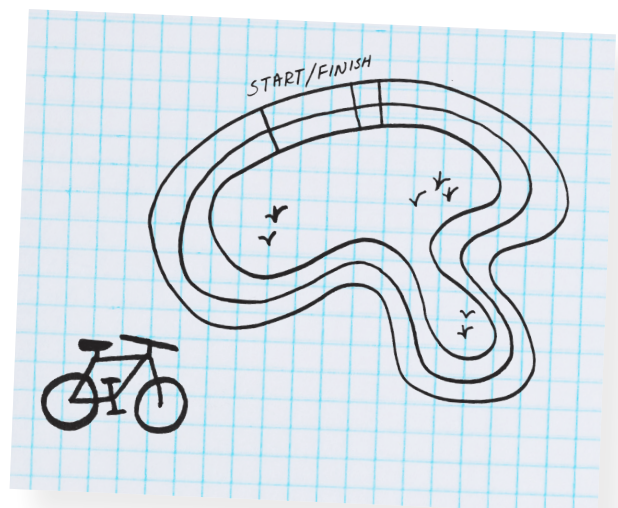
One player creates a paper bicycle to race with. Another player draws the track to race on using a separate sheet of paper. All players help design and color the bicycle and the track.

### 2 RACE!

One player places the bicycle at the start of the track. Another player uses a stopwatch to keep time while the first player moves the bicycle along the track. The goal is to reach the finish line in 23.6 seconds. Repeat at least 5 times, switch players, and then repeat at least another 5 times. Be sure to collect and organize everyone's times. Remember that your goal is exactly 23.6 seconds. In real life, if you go too fast, you won't be able to keep that time up for every lap of the race!

### 3 GRAPH THE DATA

Everyone graphs the data on their own paper. How could you train to get a better time in this game?



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