

Fastball Reaction Time

How fast can you react? In order to hit a fastball with a baseball bat, it has to be fast! Bowie Baysox pitcher Tanner Scott can throw a 100 miles per hour (mph) fast ball. Let's see if you have the reaction time to hit it!

First, we need to figure out how much time you have to react. Let's convert miles per hour to feet per second (fps): **$100 \text{ mph} * (5280 \text{ feet in a mile} / 3600 \text{ seconds in an hour}) = 146.67 \text{ fps}$**

Now we need to figure out how much time you have to react. That requires knowing the distance the ball will travel, which is about 60.5 feet: **$60.5 \text{ feet} / 146.67 = 0.41 \text{ seconds to react}$**

WHAT?! You have less than half of a second to react! Can you do it? Try a few pitches with our Fastball Reaction Time Tester (<https://scratch.mit.edu/projects/149166392/>), and record your reaction times below.

Trial	Reaction Time (sec.)
1	
2	
3	
4	
5	

Can you hit the fastball? If your reaction time is less than, or equal to, 0.41 seconds, you might be ready for the Baysox.

Want to try this at home? <http://bit.ly/ckcfast>