

## Nscim

What You Need

- a friend


## How fast can you react?

I Ask your friend to hold out one arm.
2 Hold this sheet so it hangs just above your friend's hand. Make sure the bottom edge is between your friend's thumb and finger.
3 Drop the sheet and let your friend catch it as quickly as possible.
4 Look at the number nearest to where your friend caught the sheet. This is how many seconds passed before your friend caught it. Record the time on the back of this sheet. Then repeat the test two more times.
5 Switch roles and test your own reaction time.
6 Then test other people, like family members and friends. Who has the fastest reaction time?

## ZSN

Now it's time to experiment. What happens if you close your eyes and your friend says "Catch!" as the paper drops? What happens if you try to catch the paper with your other hand? What happens if you test people of different ages? Choose one thing to change (that's the variable) and predict what you think will happen. Then test it and send your results to ZOOM at pbskids.org/zoom

> Sent in by Kelsey of Incline Village, NV

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