



HOW GOOD IS YOUR 3D VISION?



## More than Meets the Eye

**D**o you like 3D movies? Even though it's on a flat screen, a 3D movie can mimic the depth you see in real life. So how does depth perception work? It's due to your amazing brain!

Since your eyes are about 2" (5 cm) apart, each one sees a slightly different perspective. You can test this by holding up your index finger in front of your nose. Close one eye, then open it and close the other eye. It seems as if your finger shifts position. Each eye



views it from a different angle. Your brain uses the views from both eyes to figure out how far away things are.

Similarly, if people work together, each one has a different point of view. When you consult and share ideas, you'll be able to see solutions more clearly.

It's exciting when images pop out of a 3D movie—and when new ideas pop out of working together.

## Take the 3D Challenge

You'll Need: A friend or sibling to play the game, a small cup, six coins, a table, a pen

1 Sit across the table from your friend, two arm-lengths apart. Place the cup halfway between you. Ask him or her to hold a coin about 12" (30.5 cm) above the cup and slowly move it around. When you think the coin is above the cup, say "Drop!" Your friend drops the coin. If it falls in the cup, give yourself a point.



2 Do the same with all coins. On the chart below, keep your score.

4 Now switch. You drop the coins as your friend instructs.

3 Now close your left eye, but keep your right eye open. Play the game, and write down your score.

5 Add up your total points. Who got the most coins in the cup?  
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Which way of viewing scored the most points?

For you? \_\_\_\_\_

For your friend? \_\_\_\_\_

6 Experiment! What if you move the cup closer or farther? What if you hold the coins higher or lower before dropping them? Now challenge others!

## Add Up Your Points

Name	Both Eyes Open	Right Eye Open	Left Eye Open	Total Points