

## Collision Balls Experiment I

Have each of the balls hit each other on the track. Be sure to push each ball at the same speed to make it fair. The ball that keeps on going is the winner. The ball that is knocked back is the loser. If both balls go backwards, the one that goes back the least is the winner.

bouncy ball and steel ball

bouncy ball wooden ball

bouncy ball and cork ball

bouncy ball and glass ball

bouncy ball and ping-pong ball

bouncy ball and golf ball

steel ball and wooden ball

steel ball and cork ball

steel ball and glass ball

steel ball and ping-pong ball

steel ball and golf ball

wooden ball and cork ball

wooden ball and glass ball

wooden ball and ping-pong ball

wooden ball and golf ball

cork ball and glass ball

cork ball and ping-pong ball

cork ball and golf ball

glass ball and ping-pong ball

glass ball and golf ball

ping-pong ball and golf ball

### How Many Did Each Ball Win?

Bouncy ball

Steel ball

Wooden ball

Cork ball

Glass ball

Ping-pong ball

Golf ball

### Put the Balls in Order

### From Most Wins to Least Wins

First

Second

Third

Fourth

Fifth

Sixth

Seventh

## Collision Balls Experiment Results

1. What pattern do you see between the first three places and the last three places?

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2. Why do you think the first three would be the winners?

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3. Why do you think the last three would not be the winners?

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4. What does weight have to do with winning?

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5. What is a good conclusion about this experiment?

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