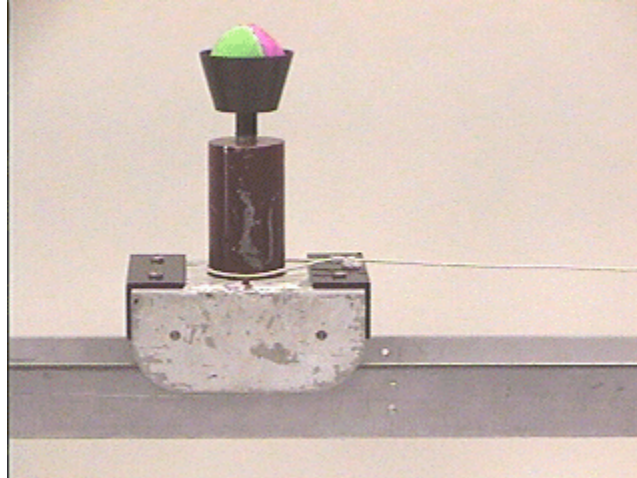


Question #7

In Question #6, we saw how a funnel cart works when the track is horizontal with the cart moving at a constant velocity. You may want to review Question and Answer #6 before doing this question.

Now suppose that the cart is attached to a string running over a pulley at the right end of the track with a weight hanging on the end, as shown in the picture below.



When the cart is held at the left end of the track and released, it accelerates across the track, with the ball ejected when it gets to the same point as before. Where will the ball land?

- (a) The ball will fall in front of the funnel.
- (b) The ball will fall behind the funnel.
- (c) The ball will fall IN the funnel.

Click here for [Answer #7](#) after April 10, 2000.

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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).