

## Marble Ramps

Name: \_\_\_\_\_

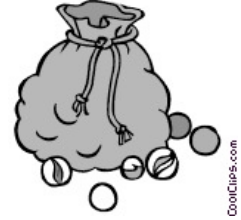
Period: \_\_\_\_\_

Work with people at your table. You will need:

- a set of ramps
- 4 marbles
- a plastic container and lid

Make a prediction. Which color ramp do you think will be fastest, and why?

I think that the \_\_\_\_\_ ramp will be the fastest, because...



In the box below, draw what your choice for fastest ramp looks like from the side. *Do not draw all 4 ramps.*



Next, move the ramps so the bottoms of the ramps are off of the table.

You will use the plastic container to catch the marbles at the end of the ramps.

With your table, figure out a way to have all 4 marbles start at exactly the same time. What did you do to start them at the same time? Describe what you did in the space below.

Which ramp was fastest? The \_\_\_\_\_ ramp was the fastest.

Do this a lot of times. Are your results always the same? \_\_\_\_\_

Why or why not?

Why do you think your science teacher had you do this quick lab?

Lab: 8 points