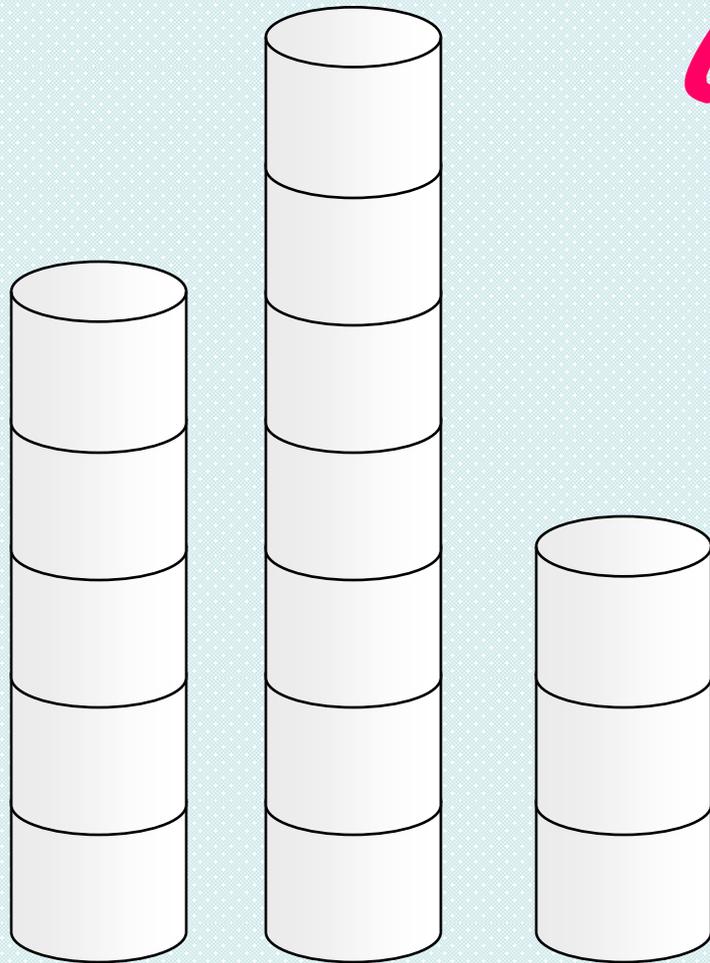


Speed Stackers



A Whole-Class or Small
Group Snowball
Stacking and Graphing
Activity

By Stephanie Trapp

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Stephanie Trapp

Speed Stackers

Materials: 10 large marshmallows per student, recording worksheet, graphing worksheet

Teacher Prep: Gather 10 large marshmallows per student. Print out and copy one recording worksheet and one graphing worksheet per student.

Directions:

1. Have students make a prediction of how many snowballs (marshmallows) they think they can stack in 1 minute and write their answer beside "Guess" on the recording sheet.
2. Then, students have 1 minute to try to stack as many snowballs as they can. If the stack falls over, they can rebuild it until time is up. They can also try to hold the stack with their hands as they build.
3. When time is up, students write how many snowballs they stacked beside "I stacked" on the recording sheet and draw a picture of how many they stacked in the space provided in the "Race 1" column.
4. Repeat these steps two more times to complete Race 2 and 3.
5. After 3 races, students graph and interpret their results on the graphing worksheet.

Speed Stackers

Name _____

How many snowballs can you stack in 1 minute? Make a guess, and then stack. Record your results. Draw a stack of snowballs to represent your answer. Repeat 2 more times.

Race 1

Race 2

Race 3

Guess: _____

Guess: _____

Guess: _____

I stacked: _____

I stacked: _____

I stacked: _____

Speed Stackers

Name _____

10			
9			
8			
7			
6			
5			
4			
3			
2			
1			

Race 1 Race 2 Race 3

Now, let's record your results. Shade in the number of boxes to show how many snowballs you stacked in each race.

What is the greatest number of snowballs you stacked? _____

What is the least number of snowballs you stacked? _____

How many snowballs did you stack in Race 1 and Race 2 altogether?

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Race 1 Race 2