Math Boosters
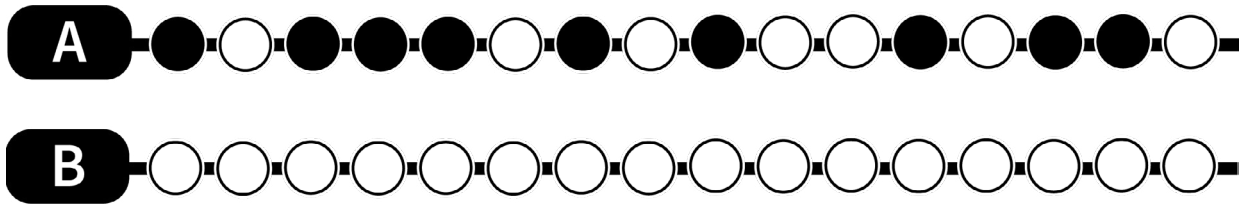
Activity sheet for grades 3–5

Make your visit to the *Boost* exhibition count!
Here are sum ways you can add math to your Science Museum of Virginia experience.

More Cowbell

Make a groovy beat! Play pattern A on one of the instruments. Create your own pattern in B. Does pattern A or pattern B have a larger fraction of beats?

Bench Press

Time to flex! Test your strength, then record your score. Find a partner and record their score. Who is stronger and by how much? Don't forget the units!
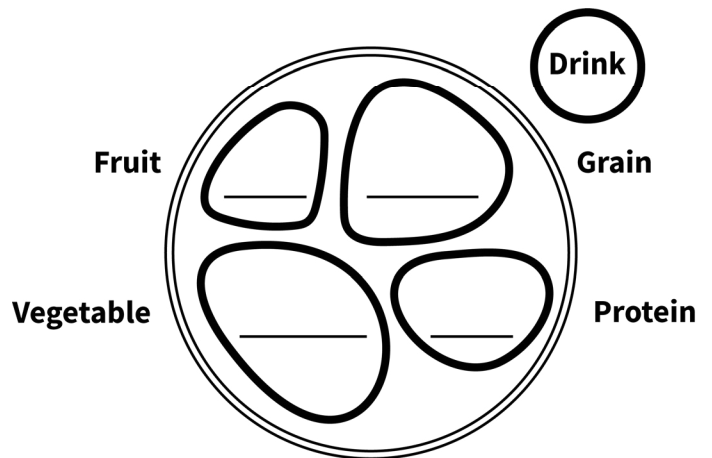
Your strength:

Your partner's strength:

Difference:

Endless Buffet

Let's eat! As you play, your score for each food group will show on the screen. Record that data five seconds before the timer runs out. Hint: it's easier when you work with others.

Probability (in fraction form) of getting a grain from *only* grains, proteins and fruits:

Fraction of *total* points that were fruits:

Multitasking

Challenge your brain! Doing more than one task at a time impacts performance. How accurate were you?
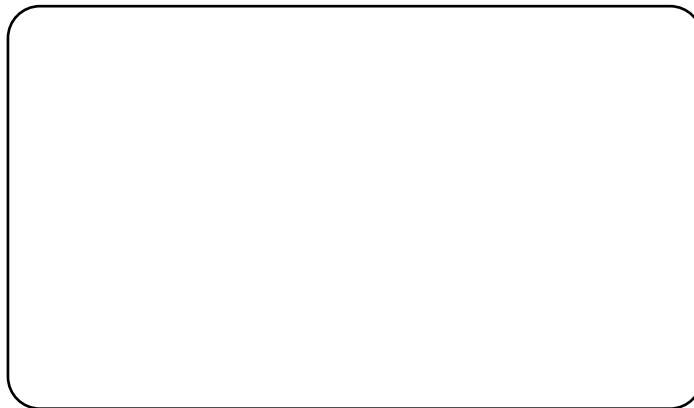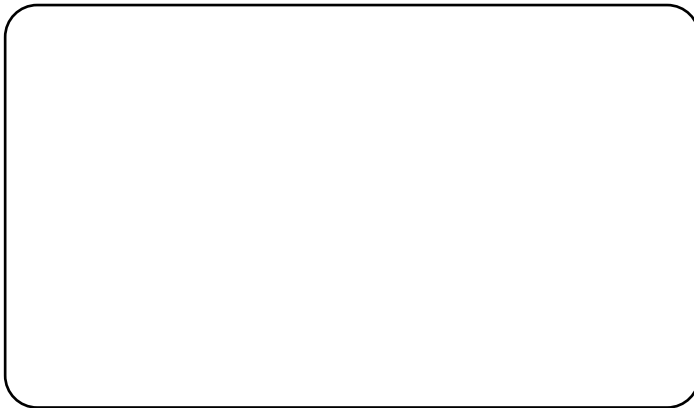
Score:

What's Your Passion?

Put on a show! Learn how to juggle with one scarf. For an extra challenge, try saying the multiples of 9 with each toss.

Shape Up!

Find two congruent shapes within the *Boost* exhibition. Draw them here.

Kitchen Stadium

A chef's hat shows their experience level. A highly skilled chef usually has a hat with 100 folds, one for each way to cook an egg!

Apprentice or Junior Cook

Expert or Executive Chef

Human Hamster Wheel

How fast can hamsters run? They can travel as fast as 1.86 miles per hour and can run more than 5 miles in one night!
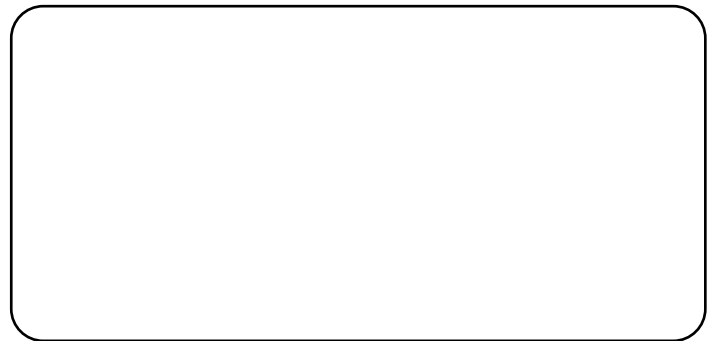
Water Bottle Wall

Made up of 1,560 16.9-ounce bottles, this display holds 26,364 ounces. That's the same amount of liquid as 206 gallons of milk!

Just For Fun

Control Yourself

Draw your favorite dance move!

Hit That Note

How many times did you hit the right note?

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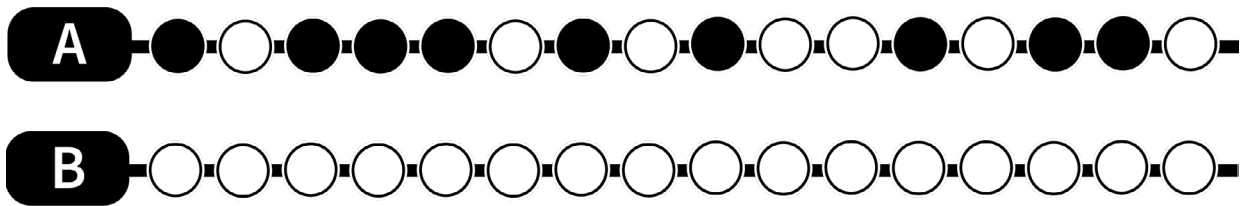
Answers will vary.

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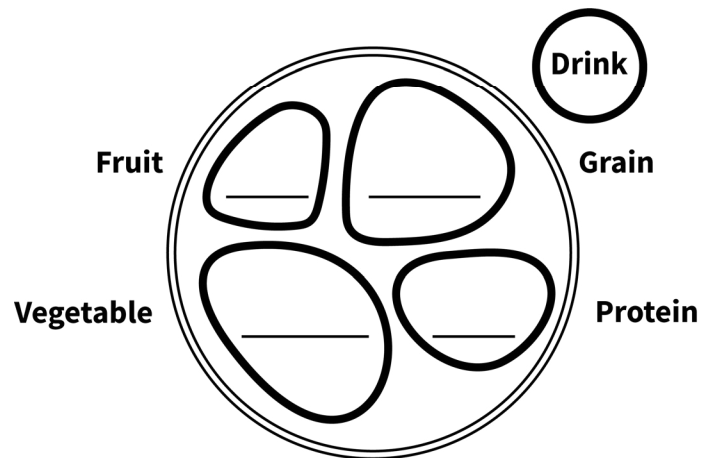
Your strength:

Your partner's strength:

Difference:

Answers will vary. Units are in pounds (lbs).

Endless Buffet

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Answers will vary.

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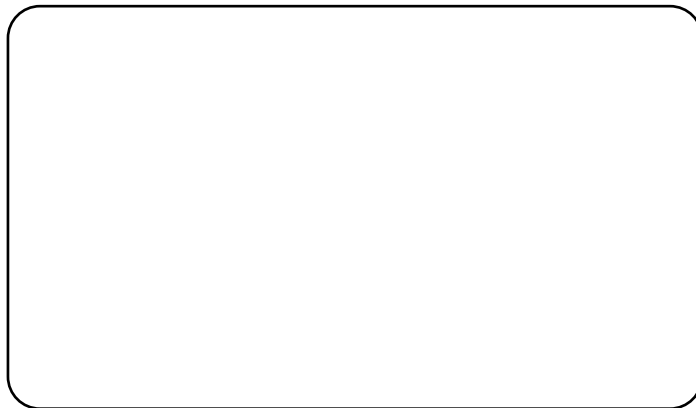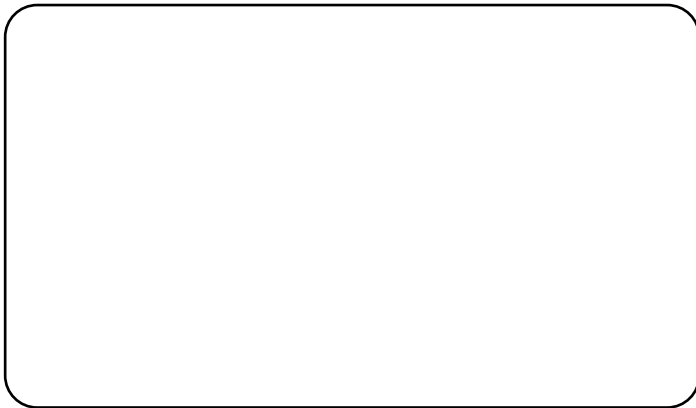Answers will vary. It will be a percentage.

What's Your Passion?

Put on a show! Learn how to juggle with one scarf. For an extra challenge, try saying the multiples of 9 with each toss.

None

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Answers will vary. Both drawings should be the same size and shape.

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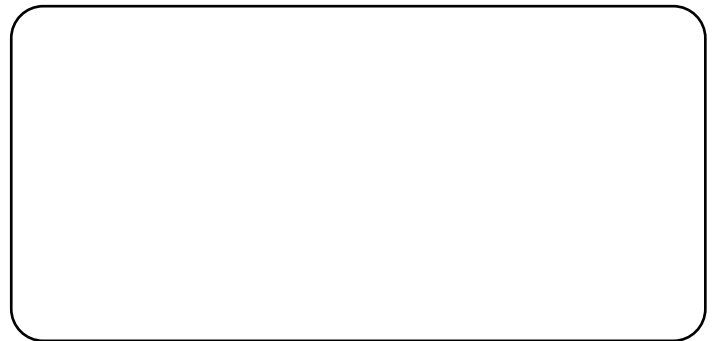
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