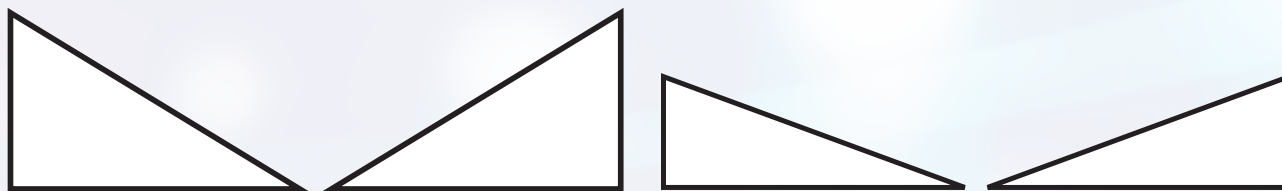


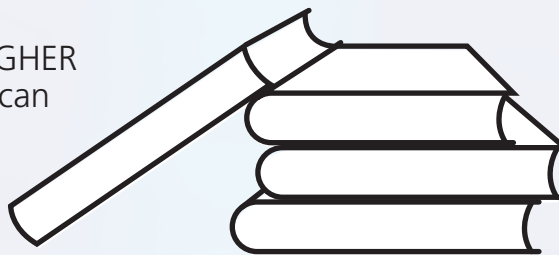
# RAMP IT UP! TRAJECTORY TEST



1. In the *Blaze of Glory* movie of **Blaze and the Monster Machines**, Blaze and AJ have to figure out which ramp will launch them the highest. Look at these sets of ramps. Circle the pair that you think will boost your ball the highest. Color the pair that you think will launch your ball the farthest distance. Don't forget to name your ball after your favorite Blaze buddy and cheer it on!



2. Start your engines! Get ready, set, and roll your ball down your ramp. Did it roll up your partner's ramp? What can you do to make it roll up your partner's ramp AND fly off into the air with Blazing Speed?
3. How can you make the ball go HIGHER when it flies off your ramp? How can you make it go FARTHER?



## KEEP ROLLING!

**Parent or Guardian**, did you know your child is exploring science through the new Nickelodeon series **Blaze and the Monster Machines**? Fasten your seatbelts because today your child took part in Ramp It Up!—an activity that inspired scientific thinking about **trajectory** and distance.

Now you can Ramp It Up! at home to keep the wheels turning. Chat with your kid about the ramps that were built in class today. Gather materials at home to make ramps of your own. Cheer on your child as he/she rolls objects of various shapes and sizes down the ramps. What happens when he/she tries to roll a block down the ramp, versus a smooth, round object like a ball?



**Spark your child's curiosity about science through play inspired by *Blaze and the Monster Machines*, a new STEM-based preschool series airing weekdays on Nickelodeon.**