

Date	Homework	Parent -Signature
Monday	★ Speed Bag pages 138-139	
Tuesday	★ "Full Speed Ahead" activity -Write the formula for SPEED in the box -calculate the speed of the rollercoaster	
Wednesday	★ "Speed it Up" activity -Use the formula to calculate the speed.	
Thursday	★ "What is Velocity?" activity -Follow the directions on the sheet carefully	
Friday	★ No Homework-Enjoy your weekend!	

Mrs. Hernandez's Reminders:

- ★ Please make sure to initial your child's homework nightly.
- ★ Homework is due **Friday, January 26th.**

Vocabulary

Motion: change in position of an object

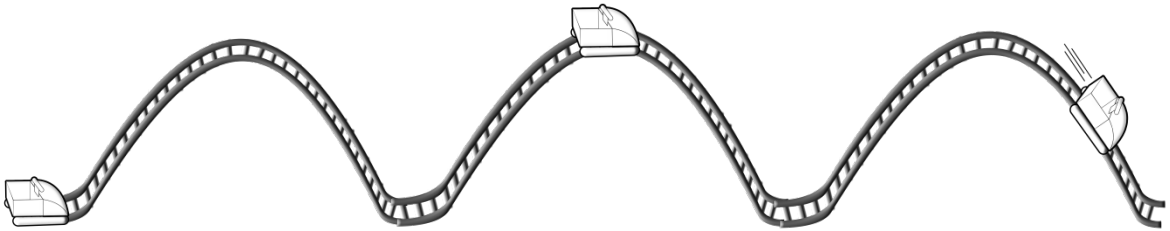
Distance: the path the object is moving in

Speed: how fast something is moving (**Speed=Distance/time**)

Velocity: the speed at which an object changes its position (**velocity= Speed + direction**)

Full Speed Ahead!

A way to describe motion is to find out _____.
_____. Speed is how
an _____.



To calculate an object's speed, you divide how far it travels by the time it took to get there.

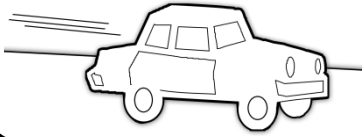
Lets find the speed of the rollercoaster. The amusement park employees say that the coaster travels a distance of 555 feet and it takes 15 seconds to complete the ride.

What is the speed of the rollercoaster?

Speed It Up!

Complete each question below.

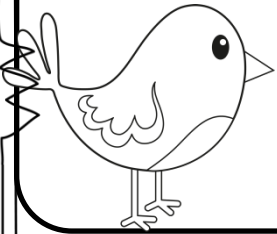
A car travels on the interstate at a speed of 70mph.
How far will it travel in 5 hours?



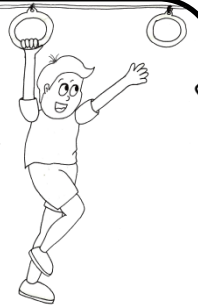
Susan and her dog walked the neighborhood at the speed of 4 mph. They completed 24 miles. If they left the house at 9:00am, what time did they return?



A bird flies at the steady pace of 2mph. How long will it take for the bird to travel 30 miles?



Ted completed an obstacle course in which he completed in 200 minutes. The course covers a distance of 2,600 yards. Ted didn't stop, and worked at the same pace throughout the course. What was his average speed?



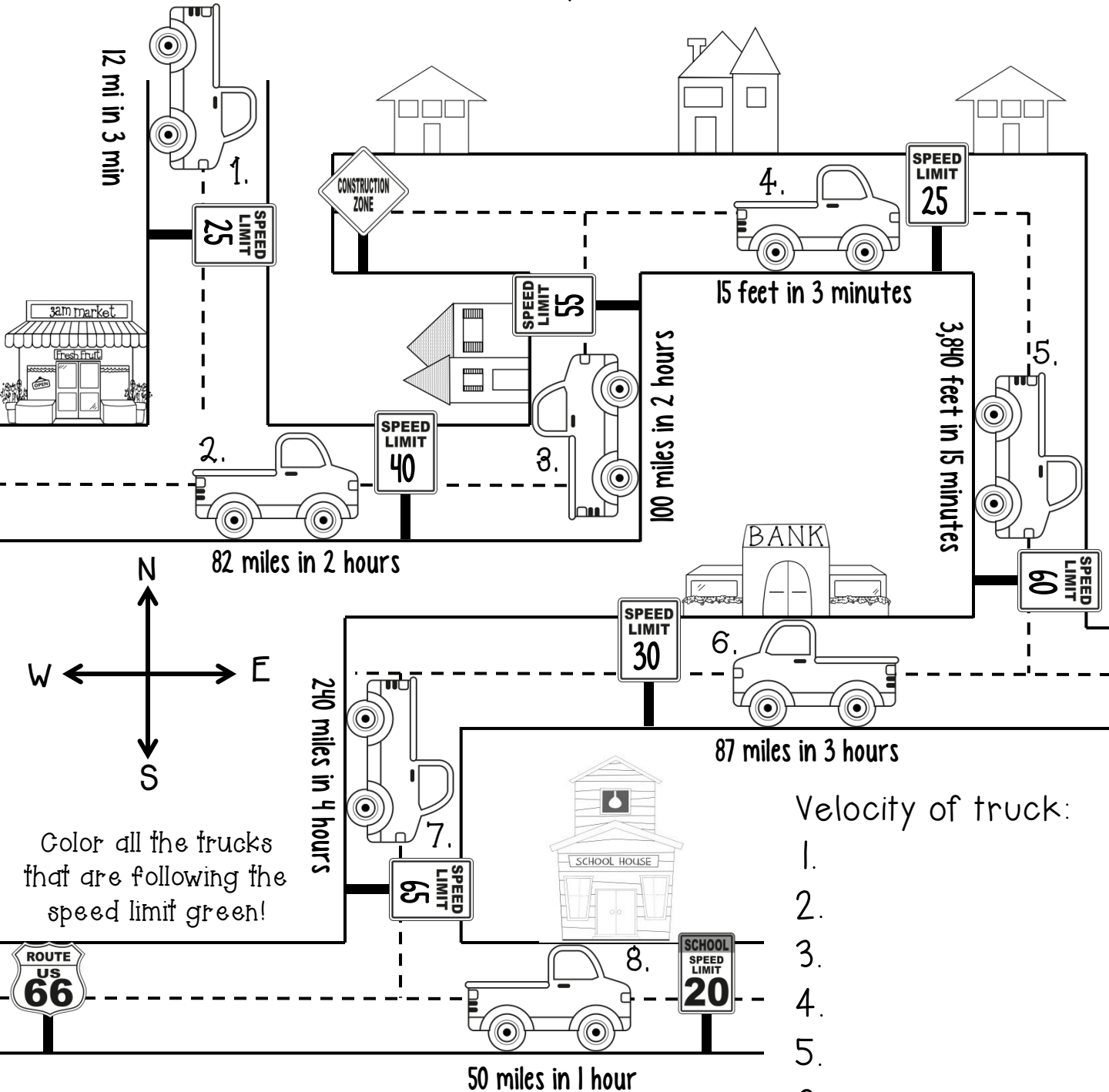
At the World Series, a batter hits a ball that travels 342 feet in 18 seconds. What is the speed of the ball?



What is Velocity?

Velocity is the _____.

Document the truck's velocity as it travels around town.



Velocity of truck:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.