



# THAT'S FAST!

## MEET SOME OF THE WORLD'S FASTEST MOVERS

As you'll see in the film *Sonic the Hedgehog*, Sonic has a special power—speed. Along with his friend Tom, Sonic speeds around the planet to battle injustice and defeat his enemies. Complete the bar graph to compare Sonic's top speed to the other fast movers listed in the graph. Then use this information to calculate speedy (and correct!) solutions to the problems below.

Olympic Runner Usain Bolt	27.7 mph
Cheetah	70 mph
Peregrine Falcon	200 mph
Shanghai Maglev Train	268 mph
Boeing 747 Aircraft	570 mph
Sonic the Hedgehog	760 mph

mph = miles per hour

0 100 200 300 400 500 600 700 800

1. How much faster can Sonic travel than a cheetah?




2. How much faster is Sonic's top speed than a Boeing 747 aircraft?

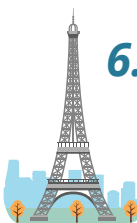



3. If Sonic runs at top speed for 5 hours, how many miles will he travel?

4. Traveling at its top speed, how far could the Shanghai Maglev Train travel in 30 minutes?

5. How long will it take Sonic to travel 760 miles? How long would it take a cheetah moving at top speed to travel the same distance?

6. The Eiffel Tower is in Paris. If the flight from Paris to San Francisco takes about 10 hours on a Boeing 747, what is the distance between Paris and San Francisco?





7. The Great Wall of China was built over many centuries. During the Ming dynasty (1368 – 1644), 5,500 miles of the Wall were built. How much time would it take a peregrine falcon to fly at top speed from one end of that section of the Wall to the other?




8. Located in Egypt, the Great Pyramid at Giza is the oldest of the Seven Wonders of the Ancient World. If it takes Sonic 9.8 hours to travel from San Francisco to Giza, about how far is it?




9. If Sonic ran for 6 minutes at top speed, he would travel 76 miles. If Olympic champion Usain Bolt ran for 6 minutes at top speed, how far would he travel?

10. If Sonic decided to race around the Earth it would take approximately 32.8 hours. What is the distance around Earth or the circumference (approximately)?

**Bonus:** On the back of this sheet, create a word problem using information from the "World's Fastest" list above. Invite a classmate or family member to solve your problem.



See how Sonic uses speed to solve problems when

**SONIC**  
THE HEDGEHOG

zooms home on  
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Note: Numbers are approximate.