What you will learn about:
Solving Application

Suppose a pumpkin is fired straight upward from the barrel of a compressed-air cannon at a point 20 feet above the ground, at a speed of 90 feet per second, write an equation to model the height ***h*** over time ***t***.

What time will the pumpkin reach the maximum height? What is the maximum height?

At what time will the pumpkin hit the ground?

Nolan Arenado, All-Star third baseman for the Colorado Rockies, hit a home run last night. He made contact with the ball 4.5 feet off the ground and had an initial upward velocity of 147 feet per second. Write a function rule to find the height ***h(t)*** at various times ***t***.

How long will the ball be in the air?