# The Cycle Shop

You work for a small business that sells bicycles and tricycles. Bicycles have one seat, two pedals, and two wheels. Tricycles have one seat, two pedals, and three wheels.

On Monday, there are a total of 24 seats and 61 wheels in the shop. How many bicycles and how many tricycles are in the shop? Show all your work using any method you choose and explain your thinking.

*Source:* This version of the task appears in Steele and Smith (2018). The task was adapted from New York City Department of Education (n.d.). The Cycle Shop. Retrieved from https://www.weteachnyc.org/resources/resource/high-school-algebra-cycle-shop/