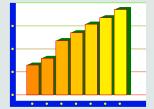# Water Conservation: What Are the Winning Numbers?
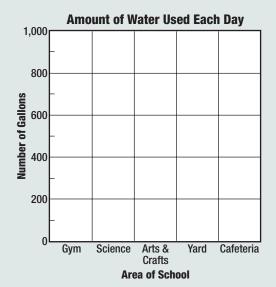
Name: _____ **Date:** _____

Every day, people at your school use water—not just for drinking or washing hands, but in all sorts of ways to keep the school running. Some areas of the school use more water than others. Study the table below to see how much water is used at Conserve Elementary School, and then answer the questions.
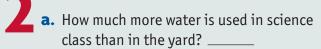
Conserve Elementary School
Amount of Water Used Each Day

Area of School	Number of gallons
Gym Class	430
Science Class	745
Arts & Crafts	300
Yard	655
Cafeteria	825

Amount of Water Used Each Day

Work the Math:

1 **Graph It** Using the numbers in the table on the left above, create a bar graph on the blank graph paper to the right above that shows the different ways water is used each day at Conserve Elementary.

2
a. How much more water is used in science class than in the yard? _____

b. Which areas of the school use more water than arts & crafts and gym class put together? _____

3 How much water would be saved if:

a. arts & crafts students used 25% less water? _____

b. *half* of the yard was watered each day? _____

c. science class students conducted each experiment in groups of three instead of individually? (*Round your answer to the nearest tenth.*) _____

Fun Fact

In 2000, the U.S. population of 285 million people used about 408 billion gallons of water per day. Based on these numbers, an actuary could calculate that the 2010 estimated population of 309 million would use 442 billion gallons of water per day.