

How Much Water Do You Use?

Adapted from “How Much Do You Use?” by DCwater.com

Grade Levels: 4-6th grade

Time: 30 minutes

Activity

This activity is a visual way to represent the average daily water use in an American household. Students can estimate the percentage of their daily water use, then compare their estimates to industry statistics.

Objective

Reinforces ratios and proportional relationship standards through recognizing that parts of 100 are percentages.

Materials

“How Much Water Do You Use?” worksheet and key

Crayons, colored pencils, markers

Procedure

1. Walk through brief PowerPoint with students. Stop at the video (show at the end).
Video link: <https://www.youtube.com/watch?v=6yCAPAqXodc>
2. Have students read and follow the directions on the worksheet.
3. Provide students with a copy of the key or display the key for the entire class to compare their estimates.
4. Ask the follow up questions provided on the PowerPoint.
5. End by watching the video provided on PowerPoint (video is about 5 minutes) and discussing the important work we do at Hallsdale-Powell Utility District to keep their water clean!

Extension

Math - Have students set up proportions based on the percentages in the lesson to calculate how many gallons they would use if they conserved water.

English – Have students write a short story or poem about water conservation.

Social Studies – Have students research water conservation issues around the world.