

Marvelous Meaningful Monthly Math

Sponsored by

Central Area Tech Prep, Mitchell Technical Institute, and Bridges

Government and Public Administration January

Career – Environmental Protection Officer

Math Activity

As a newly appointed environmental protection officer, you are stationed in a lake district with many commercial fisheries. During fishing season, fishers go out on the lakes with gill nets to harvest fish. Each year, the government sets a limit to the amount of fish that can be harvested safely.

To go over that limit would endanger the fish population. When that quota has been reached, the fishing season is shut down until next year.

This year, the limit has been set at 100,000 pounds for white fish. You must estimate the number of days that the fishing season will run, and notify the local fishers of the date when the fishing must cease.

To gather the information you need, you go out on the lake and you find that there are 700 nets on the lake per day, and that each net is bringing in 50 pounds of white fish per day.

How many days will the season last for white fish before the quota is met?

Name _____ School _____ Teacher _____