

ROUNDING / LESSON OVERVIEW

Objectives

The students will:

- recognize place value from the thousandths through billions;
- understand why rounding is used and when it can be applied to a situation;
- learn how to round whole numbers to the tenths, hundredths, and thousandths;
- learn how to round decimals to the nearest hundredth, tenth, and whole number;
- and develop research skills and use their knowledge of rounding to complete a final project.

Lesson Summary

Part 1. Introduction (20 minutes)

- Explain why researchers would use rounding in estimations.

Part 2. Understanding Place Value (20 – 30 minutes)

- Explain whole numbers, place values, and decimals.

Part 3. Rounding Numbers Up and Down (20 – 30 minutes)

- Explain helper numbers and when to round up versus rounding down.

Part 4. Review

Activity 1. Introducing OCEARCH (90 minutes or take-home)

Introduce your class to OCEARCH by having each student research a shark found on the OCEARCH Shark Tracker™ website. The students will be able to show off their research skills and use their knowledge of place value and rounding while displaying their creativity by designing an informational poster highlighting their shark's information. Students can

Materials

- Computer with internet access (students may have to work in groups if computers are limited)
- Poster board or large sheet of paper
- Craft supplies