

PERCENTAGES / LESSON OVERVIEW

Objectives

The students will:

- learn how to write fractions;
- learn how to convert decimals and fractions to percentages;
- discover different uses for percentages;
- calculate percentages using real OCEARCH data.

Lesson Summary

Part 1. Fractions and Factors (15 – 10 minutes)

Learn all about fractions, numerators, and denominators. Calculation examples provided.

Part 2. Percentages (30 minutes)

- Learn how to convert decimals into percentages and percentages back into decimals. Calculation examples provided.
- Discover real life uses of percentages, including how OCEARCH uses percentages and fractions to explain data.

Part 3. Review

Activity 1. Practice Problems (45 minutes or take-home)

Worksheets are provided for students to work on fraction and percentage problems.

Activity 2. Percentages in Real Science (30 – 45 minutes or take-home)

Students will practice calculating percentages using real data collected from the Global Shark Tracker™. With this data, the students will then draw conclusions about the life of a great white shark. Materials: Computer with internet access, pencil, calculator, and worksheet (provided).