

# SOLVING WORD PROBLEMS USING BASIC OPERATIONS / LESSON OVERVIEW

## Objectives

**The students will:**

- use addition, subtraction, multiplication, and division to solve word problems;
- understand and use different strategies for solving word problems;
- solve multiple step word problems using the four operations;
- and apply mathematics to every-day life problems.

## Lesson Summary

**Activity 1. Math Game – Foraging (20 minutes)**

Sharks are predators and have to forage for prey. Some sharks, like the zebra shark, have whisker like barbels near their nostrils to help them find crustaceans hidden in the sand while others like great whites travel long distances to find and capture large prey. This game allows students to practice their math skills while also introducing them to the concept of foraging.

**Activity 2. Creating Word Problems (30-45 minutes or take home)**

Scientists on the OCEARCH team collect large amounts of data and often need to use the information they have to discover answers to problems they encounter. This activity will allow students to use the OCEARCH website to collect information and then create and solve their own word problems. Students may work alone or in groups.

## Materials

- Fish pictures (provided)
- Krill pictures (provided)
- Snail pictures (provided)
- Envelopes (3)
- Computer with internet access
- Paper and pencil