Bear Essentials

Rangers in the Classroom—Pre-visit Lesson Plan

Grade Level: 3rd

Setting: Classroom

Duration: 30 min - 45 min

Standards Addressed:

˚ Science—Life Sciences:
   3.a
˚ Math– Number Sense:
   1.0, 1.1, 2.0, 2.1, 2.4

Introduction:

Welcome to Rangers in the Classroom! We are looking forward to visiting your class for our Bear Essentials program about black bears. To help prepare your class for the ranger visit, we have created a pre-visit activity to introduce your students to some of the concepts we will cover in our program. If you are interested in additional preparation, the program outline includes a vocabulary list and can easily be found on the website at: http://www.nps.gov/seki/forteachers/index.htm. By exploring a few concepts and vocabulary words with your students prior to our visit, you will help us hit the ground running.
Have fun and we'll see you soon!

Materials:

˚ Worksheet
˚ Pencil

Instructions:

1. Pass out worksheets to the students.
2. Read through the directions and headings with the class.
3. The students should show their work for each problem.
4. As a class, review the answers after the students are finished.

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"Black Bear Calculations"

Read each story problem carefully. Answer each question and show your work.

1. A mother black bear, called a sow, weighs 210 pounds. Her cub weighs 48 pounds. What is the difference between their weights?

2. Black bears eat many different types of insects including wasps, bees, and ants. If a bear eats 179 bees in the morning and 285 ants in the afternoon, how many insects did the bear eat that day?

3. An adult male bear is around 5 feet long. How many inches is he? (Hint: there are 12 inches in one foot).

4. A black bear can run at 30 miles per hour. If a bear runs for 45 minutes at this speed without stopping, how far will she have gone?
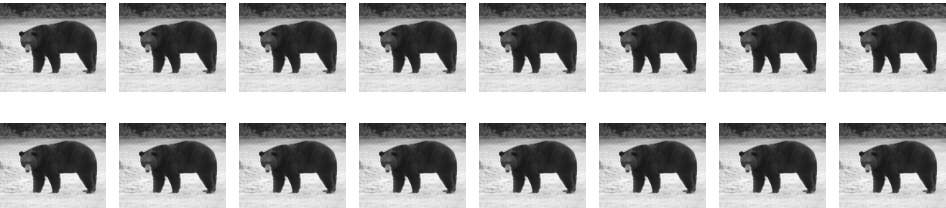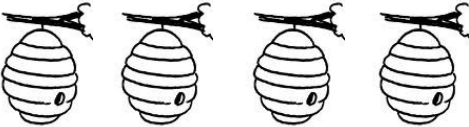
5. A park ranger saw 8 bears on Monday. On Tuesday, he saw twice that amount. How many bears did the ranger see on Monday and Tuesday?

Monday: +

Tuesday:

=_____

6. A bear found four beehives this morning. The bear found seven beehives in the afternoon. How many total beehives did the bear find?

Morning: +

Afternoon: =_____

7. A bear collects a pile of 321 acorns. The bear eats 53 acorns in the morning and 79 acorns in the afternoon. How many acorns are left in the pile?

8. There are 1,500 ant grubs under a log. A bear tears open the log and eats 852 ant grubs. How many ant grubs are left in the log?