

## Eagle-Eyed

### Summary

An example used to demonstrate the incredible eyesight of eagles

### Grade levels

K-12

### Subject areas

Science, math

### Time required

30 minutes

### Setting

Outdoors

### Objective

To demonstrate the excellent eyesight of eagles

### Materials

- A mouse-sized object (see resources)
- Tape measure
- An outside area
- Pencils and paper
- Mouse origami paper printout to be cut out and folded

### Background

Raptors are known for their keen eyesight. Sometimes it is easier for students to understand this concept when they can compare their own eyesight to that of an eagle through a hands-on activity.

### Procedure

Have students measure how far away they can see a mouse-sized object, measure the distance, and multiply by eight to compare our eyesight to an eagle's eyesight.

### Wrap-up/conclusion

Compare student's answers. Discuss the variety of answers and reasons for the differences.

**Resources**

- Mouse origami project from Tammy Yee's Web site at <http://www.tammyyee.com/origami.html>
- Make copies of the mouse found at Cyber Sleuth Kids at <http://cyberseuth-kids.com>.

**Lesson designed by**

Kelly Kroc, teacher, Skyview Elementary School

Maria Saliture, learning specialist, St. Paul School District

Name \_\_\_\_\_

# Eagle-Eyed

A bald eagle has excellent eyesight. Compare your eyesight to a bald eagle's eyesight with this activity.

If you want, take a guess at how far an eagle can see prey before you start the activity. Put your guess here: \_\_\_\_\_

## What you need:

1. A mouse-sized object to simulate prey (see template or create your own 2" x 3" object).
2. A long tape measure.
3. A large outside area.
4. Pencil, paper, and a calculator.

***Did you know?***  
Eagles have a third, transparent eyelid called a *nictitating membrane*.

## Procedure:

1. Place mouse-sized object on the ground. (This is simulating the prey.)
2. Keep backing away until you can't see your "prey" anymore.
3. Measure the distance from you to your prey.
4. Multiply this distance by eight.
5. Write your answer here \_\_\_\_\_

We use the term eagle-eyed to refer to good eyesight. Do you think this is an accurate term? Explain your answer here.