

Lesson 4 – How to Estimate Animal Size and Numbers at a Distance *Added Materials*

Part 1: Estimating Size at a Distance

Supplemental to Step 1

- Show an owl picture close-up, without background, and ask students to tell you how big this owl is. What are they basing their guess on? Print (*gr_horned_screech.pdf*)

Supplemental to Step 2

- Show the same owl in a tree with background. Ask students to tell you how big this owl is. What are they basing their guess on? Print (*owls_tree_hand.pdf*)

Part 3: Practice with Perspective Drawing

Supplemental to Step 3

- Print (*owl_vanishing_point.pdf*) to show how the same size owl gets smaller within the vanishing point lines.

Estimating Group Numbers

Part 1: Introduction to Group Estimates

Pre-Lesson Preparation: Make copies of the picture of an ant mound (*ant_mound.pdf*)

Repeat Steps 1-6 using the ant mound picture.