

# Self-Guided Logic Activities #3

## Classification and Measurement

Author: R.E. Myers

Illustrator: Bron Smith

**ELE90/103603**

ISBN: 978-0-7877-2024-7

Release Date 2015

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P. O. Box 802

Dayton, OH 45401-0802

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The pages in this packet were originally published in  
Self-Guided Lessons for Thinking and Doing, (ELE90/1036).

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## Unit 7

**Find the Stray Animals**

In science, categorizing things is fundamental to understanding nature. Categorizing is also critical to the way we think.

**A.** In each of the following lists, an animal is out of place. Circle the animal that doesn't belong with the others and tell why.

1. penguin                      kiwi                      ostrich                      hawk

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2. zebra                      donkey                      buffalo                      horse

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3. wolf                      leopard                      lion                      tiger

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4. whale                      shark                      porpoise                      dolphin

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5. rabbit                      squirrel                      duck                      gopher

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6. spider                      ant                      mosquito                      beetle

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7. burro                      ox                      cow                      buffalo

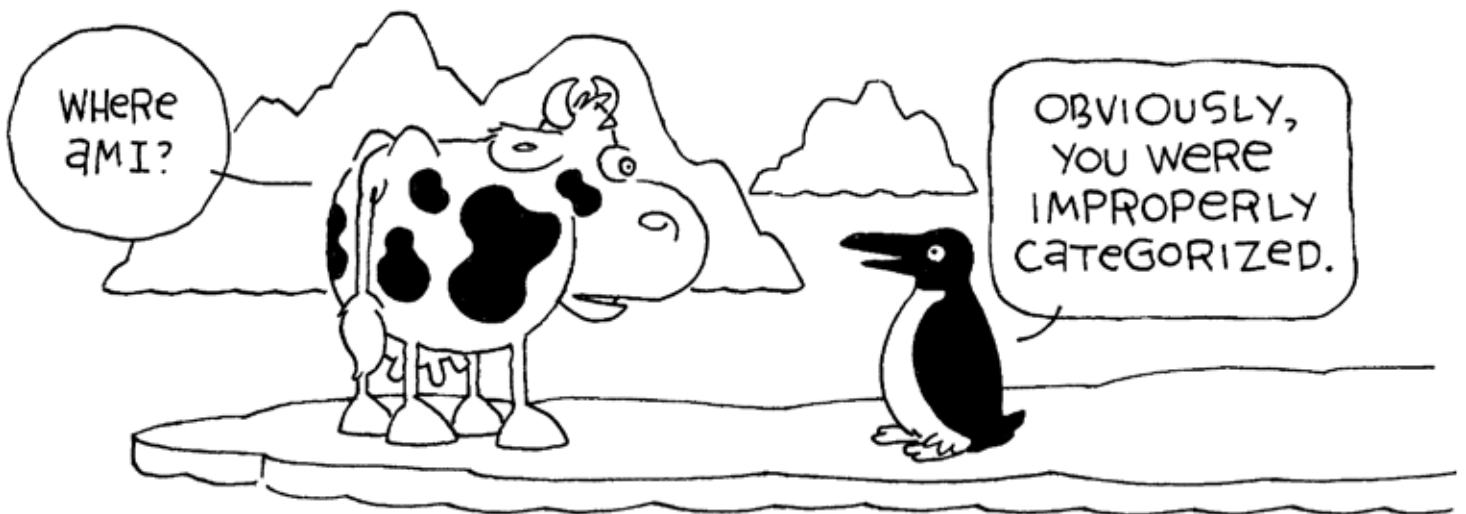
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8. coyote                      raccoon                      wolf                      jackal

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9. mule                      woodchuck                      marmot                      groundhog

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**B.** Do you think you could make up an exercise like this one? Try it in the space below.

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**C.** Do you like animal stories? Many of us do. Perhaps you enjoy drawing pictures of animals or modeling them in clay. If you have a pet, why don't you design a new home for it? You can also have fun composing songs, stories, and poems about animals. Use the space below to outline and plan any of the things that you would like to do with animals.

## Unit 8

# Seven Plus Four Equal Nine

Working in the kitchen involves quite a bit of mathematics. There is a lot of measuring to do in terms of quantities and time. This problem illustrates a common situation in the kitchen, but it is fairly complicated.

*Christine needs to bake some cookies in exactly nine continuous minutes. However, none of her electronic clocks work, and there has just been a power outage. The clocks just blink at her, and she doesn't know how to restart them. She has two egg timers, though. One measures four minutes, and the second measures seven minutes. There are no graduations on the egg timers, so she can't guess when an egg timer is half-finished. What is the quickest way Christine can measure nine minutes with two timers? Do your figures and drawing in the space below.*