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Ne'epapa Ka Hana Mathematics Resources  
**Professional Development Course**  
*Video 4 Example Activities*

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Inoa (Name): \_\_\_\_\_

Lā (Date): \_\_\_\_\_

1. Choose an endangered or an important species of plant or animal to study: \_\_\_\_\_
2. Do some research to find some facts about your species. Be sure to talk about how rare they are and why. For each piece of important information you find, describe how trustworthy you think it is and why.

Information	How trustworthy is it?
<i>(Example) Pesticides do not harm bees.</i>	<i>Not trustworthy at all. I found this on a pesticide company's website.</i>
<i>(Example) The larvae of the wax moth kill a lot of bee hives.</i>	<i>Very trustworthy. Got this info from a Wiki page with a lot of scientific sources.</i>

3. Come up with **at least 2 ideas** for how we can help these species survive.

(a)

(b)

(c)

Inoa (Name): \_\_\_\_\_

Lā (Date): \_\_\_\_\_

A school has a small cafeteria so the lunch lines are very long. Here are some suggestions that the students came up with to shorten the lunch lines.

- (A) We should build a second cafeteria. That way, lunch lines will be cut in half.
- (B) We should have a lunch period that is twice as long. This will give us enough time to enjoy our lunch.
- (C) We should have two lunch periods. In the first period, half of the students should have lunch while the other half continues to have class. In the second period, the students switch places.
- (D) We should be able to take a lunch break at any time throughout the day. That way, we don't have to go to lunch all at once.
- (E) We should be able to show how much we want to get our lunch. So we should be able to pay the school money to move to the front of the line. The more you want to move up, the more you should pay.
- (F) We should be able to work for the things we want. Students with good grades should be able to go to the front of the line.

1. *With a group*, choose three (3) suggestions from above. Discuss the **strengths and weaknesses** of each of the suggestions you've chosen.

(a) Suggestion: \_\_\_\_\_

(b) Suggestion: \_\_\_\_\_

(c) Suggestion: \_\_\_\_\_

2. Share your thoughts with other groups in your class.
3. Which of the six suggestions in the beginning do you think is best and why?