

### If I Could see This Thing

Aim: **How do we find percentage?**

**Do Now:**

1. Martha has 5 dollars. Kelvin has 3 less than twice what Martha has. Write an expression to represent how much money Kelvin has.	2. What is 30 percent of 60?
--	------------------------------

#### **Vocabulary/Concept Bank**

Important term	Definition

As we read aloud, underline any word you think might be important. Write a question mark next to anything you don't understand. Draw a box around the question or task you are being asked to complete, if any.

## **If I Could See This Thing**

No nation was safe from the ravages of smallpox, cholera, measles, scarlet fever, influenza, and tuberculosis. These diseases, which were imported from Europe, took a great toll on Native Americans. Disease brought death, destruction, and untold misery, killing more people than warfare, slavery, or starvation.



This passage is from a description by George Bent of the Southern Cheyenne nation.

In '49, the emigrants brought cholera up the Platte Valley, and from the emigrant trains it spread to the Indian camps. "Cramps" the Indians called it . . . On the Platte whole camps could be seen deserted with tepees full of dead bodies . . . Our Tribe suffered very heavy loss; half of the tribe died, some old people say.

My Grandmother took the children that summer . . . to the Canadian [to get] medicine. During the medicine dance an Osage visitor fell down in the crowd with cholera cramps. The Indians broke camp at once and fled in every direction. Here a brave man . . . mounted his horse . . . and rode through camp shouting, "If I could see this thing, if I knew where it was, I would go there and kill it." He was taken with cramps as he rode.

1. Some historians estimate that between 1492 and 1900, the Native American population decreased by about 90%.

Use variables and an equation to show how you would find the population of Native Americans at the end of this period if you knew their population at the beginning.

*Suggestion:* Pick a number that you think might represent the population in 1492, and figure out what the 1900 population would have been. Then describe your computation in words. Finally, put the relationship into equation form using variables.

2. Death occurred among travelers on the Overland Trail as well.

The fatality rate differed from one wagon train to the next. For this activity, assume that five percent of the adults and ten percent of the children died of cholera on the road from Fort Kearny, Nebraska, to Fort Laramie, Wyoming.

- a. Figure out how this will change the size of your total class wagon train.

- b. Put the result from Question 2a into an In-Out table with two inputs—the number of adults and the number of children. The output is the total number of people who will be left in a wagon train after this leg of the journey.

Add two more rows to this table. Use your own choice of values for the number of adults and number of children. For each new row, calculate the number of people in the wagon train at Fort Laramie.

- c. Introduce variables and write a rule for the In-Out table in Question 2b.

Vocabulary to be used during the discussion: Algebraic expression, Coefficient, Variable, Substitution, Evaluate, Product