



# Tomatoes Worksheet

## Objective:

Students will be able to simplify/reduce fractions into the correct forms.

Students will be able to recognize and come up with simplified equivalent fractions.

## Indiana Academic Standards:

Mathematics: Grade 3

Number Sense

3.NS.6 – Understand two fractions as equivalent (equal) if they are the same size, based on the same whole or the same point on a number line.

3.NS.7 – Recognize and generate simple equivalent fractions (e.g.,  $\frac{1}{2} = \frac{2}{4}$ ,  $\frac{4}{6} = \frac{2}{3}$ ). Explain why the fractions are equivalent (e.g., by using a visual fraction model).

National Agricultural Literacy Outcomes

Agriculture and the Environment Outcomes

T1.3-5e. Recognize the natural resources used in agricultural practices to produce food, feed, clothing, landscaping plants and fuel.

Food, Health, and Lifestyle Outcomes

T3.3-5c. Distinguish between processed and unprocessed food.

## Materials:

- Writing Utensil

- Student Worksheet



**TOMATOES**

Chef Susie needs help converting this salsa recipe back to the simplified fractions so she knows the correct measuring utensils to use!

This recipe is in full fraction form.

Simplify these fractions then write the new and improved recipe to help out the chef!

## SALSA RECIPE

- $1\frac{2}{8}$  RIPE TOMATOES →
- $2\frac{2}{4}$  CUP CHOPPED GREEN ONION →
- $\frac{2}{6}$  CUP CHOPPED RED ONION →
- $\frac{9}{12}$  JALAPENO PEPPER →
- $\frac{3}{12}$  CUP CHOPPED CILANTRO →
- $1\frac{8}{16}$  TSP. LIME JUICE →
- 1 CLOVE GARLIC (CHOPPED) →
- $\frac{6}{12}$  TSP. CHILI POWDER →





## Teacher Answer Key

The correct answers for these fractions are as follows:

- 1  $\frac{1}{4}$  lbs. ripe tomatoes
- 2  $\frac{1}{2}$  cup chopped green onions
- $\frac{1}{3}$  cup chopped red onion
- $\frac{3}{4}$  jalapeno pepper
- $\frac{1}{4}$  cup fresh chopped cilantro
- 1 clove garlic (chopped)
- 1  $\frac{1}{2}$  teaspoons fresh lime juice
- $\frac{1}{2}$  teaspoon chili powder

Once the students have this solved they get the puzzle piece for tomatoes.

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### Background Information:

- Indiana is one of the top five producing tomato states in the country.
- The Red Gold plant (largest tomato plant in Indiana) in Madison County: Elwood, IN.
- Red Gold factory grows 10,000-11,000 acres of tomatoes annually.
- Indiana is the third largest producing tomato state in the whole country!
- The first tomato was the yellow tomato, but now the most popular kind is the red tomato.