



Tomatoes Worksheet

Objective:

Students will be able to multiply fractions to their doubled and tripled forms.

Indiana Academic Standards:

Mathematics: Grade 7

Computation

7.C.3 - Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as $(-1)(-1) = 1$ and the rules for multiplying signed numbers.

Materials:

- Writing Utensil
- Student Worksheet

Name: _____

 TOMATOES

Instructions: Today you are going to help a chef convert this salsa recipe in order to feed a large group of people. Your help is needed to double and triple this recipe. Adjust the following salsa recipe to serve double, and then triple the amount of people the original recipe would serve.

SALSA RECIPE

- 1¹/₄ LBS. RIPE TOMATOES →
- 2¹/₂ CUP CHOPPED GREEN ONION →
- 1¹/₃ CUP CHOPPED RED ONION →
- 3³/₄ JALAPENO PEPPER →
- 1¹/₄ CUP CHOPPED CILANTRO →
- 1¹/₂ TSP. LIME JUICE →
- 1 CLOVE GARLIC (CHOPPED) →
- 1¹/₂ TSP. CHILI POWDER →





Teacher Answer Key

The correct answers for these fractions are as follows:

Doubled

2 ½ lbs. ripe tomatoes
5 cup chopped green onion
2/3 cup chopped red onion
1 ½ jalapeno peppers
½ cup fresh chopped cilantro
2 garlic cloves (chopped)
3 teaspoons fresh lime juice
1 teaspoon chili powder

Tripled

3 ¾ lbs. ripe tomatoes
7 ½ cup chopped green onion
1 cup chopped red onion
2 ¼ jalapeno peppers
¾ cup fresh chopped cilantro
3 garlic cloves (chopped)
4 ½ teaspoons fresh lime juice
1 ½ teaspoons chili powder

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

Background Information:

- Indiana is one of the top five tomato-producing states in the country.
- The Red Gold plant (the largest tomato plant in Indiana) is located in Madison County - Elwood, Indiana.
- Red Gold factory grows 10,000-11,000 acres of tomatoes annually.
- Tomatoes contribute \$4.8 billion to the American economy.
- Tomatoes are very high in vitamins A and C, making them a great choice for any snack or meal.

Careers:

Plant biologist, plant genetics scientists, produce marketer and urban farmer