MATH PARENT GUIDE - UNIT 4

IMPORTANT CONCEPTS YOUR STUDENT SHOULD KNOW AND ACTIVITIES TO DO AT HOME

Multiplying Whole Number by a Fraction

Important Concepts Addressed in this Unit

- Use fraction towers or fraction bars to represent multiplication of a whole number by a fraction
- Model multiplying a whole number by a fraction
- Multiply a whole number by a fraction
- Solve word problems involving multiplying a whole number by a fraction
- FInd parts of a set
- Recognize that of means to multiply

- Simplify fractions into its simplest form
- Use decomposing of a fraction to change an improper fraction into a mixed number

Key Words To Know

fraction: A way to describe a part of a whole or a part of a group by using equal parts.

numerator: The number written above the line in a fraction. It tells how many equal parts are in the fraction.

denominator: The number written below the line in a fraction. It tells how many equal parts are in the whole.

equivalent fraction: Fractions that have the same value.

decompose: To take the fraction apart

improper fraction: A fraction where the numerator is larger than the denominator

mixed number: A number consisting of a whole number and a proper fraction

model: Using graphs, pictures, manipulatives, etc to demonstrate

multiply:

How You Can Help Your Student

**Interactive Learning Games:** Playing games is a wonderful way to practice skills at home in a fun environment.

https://www.mathgames.com/skill/4.67-multiply-fractions-by-whole-numbers

https://www.splashmath.com/multiplying-fractions-games

http://www.sheppardsoftware.com/mathgames/fractions/mathman_fractions_number.htm

http://www.counton.org/games/map-fractions/falling/

https://www.mathplayground.com/ASB_SnowSprint.html

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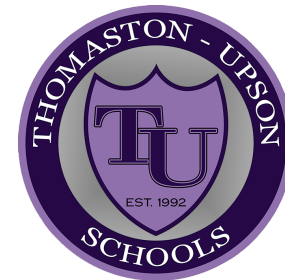
Sample Problems

- Model 3 x $\frac{2}{5}$
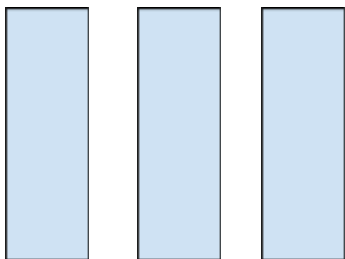
You split each rectangle into 5ths and shade in 2 three times. This gives you $\frac{6}{5}$. This is improper, so you have to decompose it and turn it into a mixed number. $\frac{5}{5} + \frac{1}{5} = 1\frac{1}{5}$

- 5 x $\frac{3}{4}$ =? We put a 1 under the 5 as the denominator and multiply straight across.

- Ben had 12 jelly beans. $\frac{1}{3}$ of the jelly beans were red. How many jelly beans were red?