**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**5.2.2.7. Work Period –Multiplying Fractions by Fractions Using an Algorithm**

**Directions:** Multiply each set of fractions to find the product. Be sure your answer is in simplest form!

**Remember:** x =

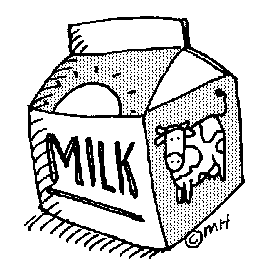
1. x = 2. x = 3. x =

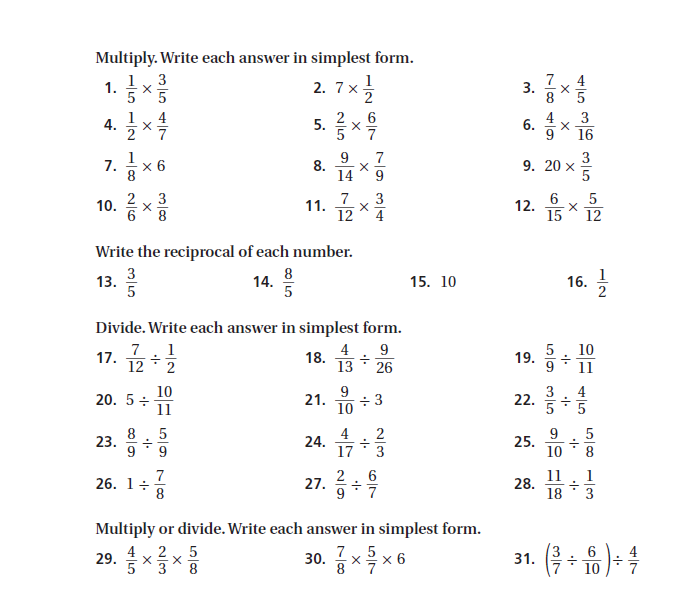
4. x = 5. x = 6. x =

7. Elijah is baking sugar cookies. The recipe uses cup of sugar. Elijah wants to make one half of the batch. How many cups of sugar does he need? Show your work.



8. Ashley has of a quart of milk in the fridge. She uses one third of this milk for her cereal. How much milk did Ashley use? Show your work.

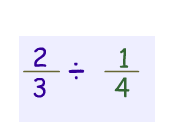




**Dividing Fractions**

There are 3 Simple Steps to Divide Fractions:

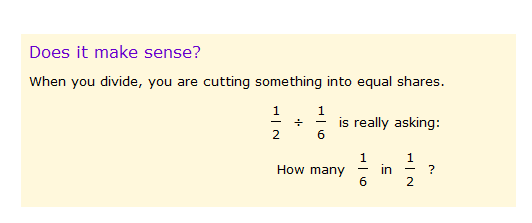
Step 1. Turn the second fraction upside-down this is now a [reciprocal](http://www.mathsisfun.com/reciprocal-fraction.html)

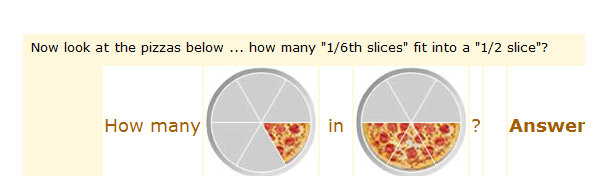
Step 2. [Multiply](http://www.mathsisfun.com/fractions_multiplication.html) the first fraction by that reciprocal

Step 3. Step 3. [Simplify](http://www.mathsisfun.com/simplifying-fractions.html) the fraction

**Example 1:**

|  |  |  |
| --- | --- | --- |
| 1 | ÷ | 1 |
|  |  |
| 2 | 6 |

Example 2 :





**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**5.2.2.7. Homework –Multiplying Fractions by Fractions Using an Algorithm**

**Directions:** Solve each problem and find the answer in the box. Place the letter corresponding to the answer in the blanks to answer the riddle.

|  |
| --- |
| Description: http://www.how-to-draw-funny-cartoons.com/image-files/cartoon-mosquito-9.gifDescription: http://www.how-to-draw-funny-cartoons.com/image-files/cartoon-mosquito-9.gifDescription: http://www.how-to-draw-funny-cartoons.com/image-files/cartoon-mosquito-9.gif **K B E G**  **N I R S** |

1. **x**
2. **x**
3. **x**



1. **x**

**What is a mosquito’s favorite sport? \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ diving.**

**4 3 2 1**