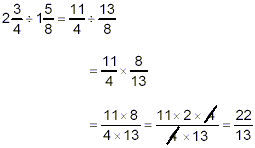
Dividing Fractions

\*\*Dividing by a number is the same as multiplying by its reciprocal!!\*\*

|  |  |
| --- | --- |
| **Steps:** | |
| 1. Rewrite any mixed numbers as improper fractions (if necessary) | *http://www.helpingwithmath.com/images/fra_ex14.gif*  (No improper fractions in this problem!) |
| 1. Multiply by the reciprocal | http://www.helpingwithmath.com/images/fra_ex14.gif  **=** |
| 1. Simplify your answer if needed. | http://www.helpingwithmath.com/images/fra_ex14.gif  http://www.helpingwithmath.com/images/fra_ex14.gif |

An example with mixed numbers:

\*\*Do not forget to change mixed numbers before you multiply by the reciprocal\*\*

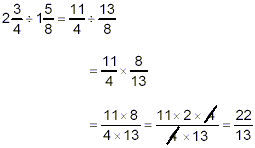
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Example:

Dividing Fractions

\*\* Remember that when you divide two numbers, you are finding out how many times the *divisor* fits *into* the *dividend*.



David’s lawn mower holds ¾ gallon of gas. If he has 1 ½ gallons of gas, how many times can he fill up his lawn mower?

**3**

**4**

**3**

**4**

|  |  |  |
| --- | --- | --- |
| You Try! | | |
|  |  |  |

So, how many ¾’s will fit inside 1 ½ ?

÷

÷

x

= 2

¾ fits inside 1 ½ *two* times. David can fill up his lawn mower twice.

Dividing Fractions

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