



Dividing Fractions

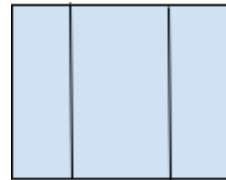


Focus

- Dividing fractions - The quotient (answer) of fractions are larger than the divisor and dividend.
- If I take 1 and divide it by $\frac{1}{3}$ how many $\frac{1}{3}$ would you have?
- Draw a picture:



Divide it in thirds







- There are 3 one-thirds in one whole
- A vocabulary word to understand - **reciprocal**: when you take a fraction like $\frac{3}{4}$ and flip it to be $\frac{4}{3}$ hopefully the videos and my lesson will help explain this better.



Explain

- There is some understanding that needs to go into dividing fractions.
- I could give you the simple algorithm (the steps you take) but the goal is for you to understand the process.
- There are 3 websites I would like you to explore and take notes.
- Watch this slideshow I found [dividing a board](#)
- What did you learn? Anything?
- Try this video [Khan Academy](#)

	<ul style="list-style-type: none"> ● Well, is it getting any better? ● Can your write an explanation on how to divide fractions? ● Are you able to give an example? ● One more website Math is Fun <ol style="list-style-type: none"> 1. After looking at these websites and seeing how dividing fractions work, I'm hoping you took some notes. 2. In your own words on your "Power Page" write down how to divide fractions.
	<h2 style="text-align: center;"><u>Apply</u></h2> <p>I would like you to use these 2 websites to work problems - Show your work on the "Power Page."</p> <ol style="list-style-type: none"> 1. Math is Fun 10 problems 2. Khan Academy practice - Do 5 problems - If you have trouble he has a couple of more videos you can watch.
	<h2 style="text-align: center;"><u>Share</u></h2> <ul style="list-style-type: none"> ● Today I am sharing with you. ● When you have a fraction division problem you may want to draw a picture, especially a word problem. ● $\frac{3}{4}$ gallon of batter is poured equally into 2 bowls. How many gallons of batter are in each bowl? ● Step 1 - What is the problem asking? How much batter is in each bowl? ● How many bowls are there? 2 ● How much batter am I dividing? $\frac{3}{4}$ ● Can I draw a picture? Yes ● So draw it out..... ● Now you share on the padlet what you got for an answer? ● My problem with these is I'm never sure of the order what am I dividing what by? Let's see if you can figure it out.

	<h2 style="text-align: center;"><u>Reflect</u></h2> <ul style="list-style-type: none"> • There is a lot of information here. • Did you give up and say I can't do this? • Or Did you try to work through this and see if you could figure it out?
	<h2 style="text-align: center;"><u>Mindset</u></h2> <p>Challenge your brain to think and justify. Go to Would you rather math answer the question and justify your answer with math.</p>
	<h2 style="text-align: center;"><u>Create (Optional)</u></h2> <p>Mr. Waite gave me the idea of creating a classroom website with helpful information about math.</p> <p>So.....I'm going to list different topics we have learned so far and I would like for you to create some kind of poster, video presentation, How to solve any math topic you have learned this year.</p> <p>I would like you to be as creative as possible and when you submit it we will begin posting these ideas on a math website that you are essentially creating.</p> <p>You saw what I did with google draw I will post a link as an idea of what I'm thinking you could do. Hopefully yours will look a whole lot better than mine.</p> <p>Topics: Ratio, Equivalent Ratio, Mean, Median, Mode, Range, GCF, LCM, Dividing Fractions, Tape Diagram (what is it?), Rate, Percent, Unit Rate</p> <p>Help me think of others</p> <p>Example</p>