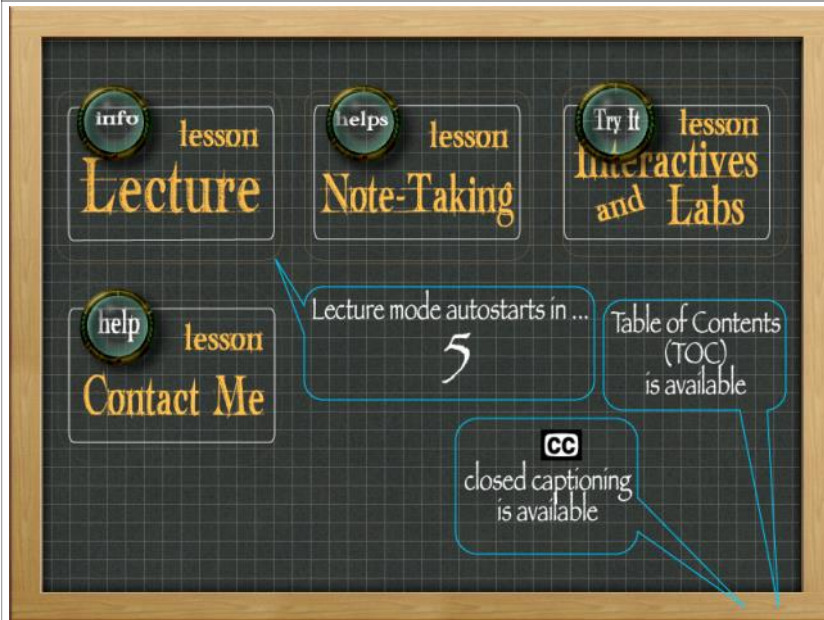


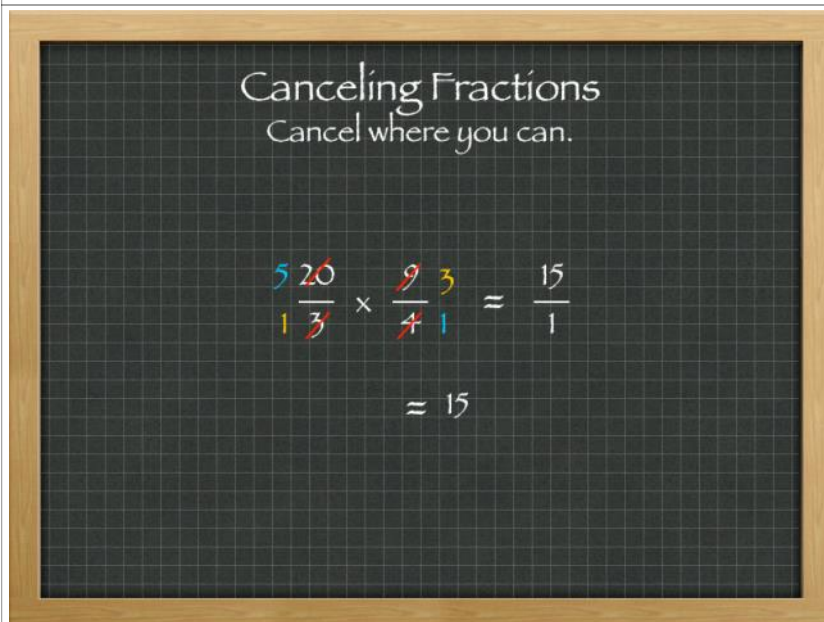
# Cancelling Fractions

Saturday, September 13, 2014  
8:27 AM

Slides



Notes



Cancelling fractions is not something that you have to do, but it is a great way to make calculating multiplication answers for fractions so much easier.

The canceling happens between a numerator and denominator that have the same number that can go in to both.

Here we see a 3 in the denominator and a 9 in the numerator. Three will go in to both of them. It goes in to itself 1 time, so we will cross out the 3 and replace it with a 1. Now to cross out the 9 and replace it with a three because 3 goes in to 9 3 times.

We can do the same with the 20 and the 4 because 4 goes in to both. It goes in to the 4 1 time and in to the 20 5 times.

Now we do the multiplication in the numerator:  $5 \times 3 = 15$

The denominator is all ones, so a 1 goes in the denominator under the 15.

Simplifying the 15 over 1 we get 15.

That was a lot easier than calculating the  $20 \times 9$  and then the  $3 \times 4$  which would have given use large numbers in the numerator and denominator to have to simplify later. Simplify first when it is easy to see and calculate mentally.

Cancel where you can.

$$\frac{2}{3} \times \frac{9}{4}$$

Congratulations!  
You have completed  
this topic

Give us feedback about  
this lesson if you wish...

