Multiplying Fractions-The Cancellation Method

You already learned about multiplying fractions, but this is a short cut to save time. Remember, this only works when multiplying (not for adding and subtracting).

Now, reduce the denominators with the numerators. It does not matter if they are across from each other or above each other.

=25 Notice that this number is already reduced!

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$$\frac{24}{24}$$

e.g. $-\frac{3}{8} \times \frac{8}{9} \times \frac{10}{3} \times \frac{20}{7}$
 $-\frac{1}{2} \times \frac{1}{9} \times \frac{10}{7} \times \frac{20}{7}$
 $-\frac{1}{4} \times \frac{10}{9} \times \frac{20}{7} \times \frac{20}{7}$

* No numerator can be reduced with any denominator so now multiply straight across now multiply straight across lowest terms.