GRADE 10 ESSENTIAL
UNIT X – FRACTIONS REVIEW

Name:_____
Date: _____

Simplify the expressions:

$\frac{1}{3} * \frac{3}{5} =$ $\frac{3}{5} * \frac{6}{8} =$ $1\frac{1}{3} * 3 =$ $1\frac{2}{3} * 4\frac{1}{2} =$

$\frac{1}{2} * \frac{2}{3} * \frac{3}{4} * \frac{4}{5} =$ $2\frac{2}{3} * 4\frac{1}{2} * 3\frac{5}{8} =$

Josh had half of a birthday cake left over from his birthday. He decided to break it into three pieces and eat one piece. (a) How much of the birthday cake did Josh eat for breakfast? (b) The original birthday cake was 12" by 9", how many square inches of birthday cake did he have for breakfast?

Kendra saw how much birthday cake was left over after Josh had his cake for breakfast. She had half of that. How much birthday cake did Kendra eat?

$\frac{1}{3} + \frac{2}{3} =$ $4\frac{1}{4} + 3\frac{3}{4} =$ $\frac{1}{4} + \frac{1}{8} =$ $\frac{1}{3} + \frac{3}{5} =$

$1\frac{2}{3} + \frac{1}{5} =$ $1\frac{5}{6} + 4\frac{1}{8} =$ $1\frac{3}{16} + 5\frac{1}{8} =$

Brian was tidying up after a big pow wow. He had lots of ketchup in several different bottles. He had a whole bottle, a half bottle, and about two-thirds of a bottle remaining. Calculate how much ketchup was there total? (measured in '*bottles*'). Draw the bottles and their contents too!

$\frac{2}{3} \div \frac{1}{3} =$ $\frac{3}{8} \div \frac{1}{8} =$ $\frac{7}{8} \div \frac{1}{4} =$ $\frac{9}{16} \div \frac{1}{4} =$

$\frac{2}{3} \div \frac{1}{3} =$ $4 \div \frac{1}{4} =$ $9 \div \frac{2}{3} =$ $\frac{2}{3} \div 2 =$

$4\frac{1}{5} \div 1\frac{5}{8} =$ $3\frac{1}{2} \div 1\frac{3}{8} =$

Show the idea of $8\frac{1}{2} \div 1\frac{1}{4}$ on an eight-and-a-half inch piece of licorice using this number line.

So if you have an eight-and-a-half inch piece of licorice and you **divide** it up as pieces that are one-and-a-quarter inch long, how many pieces did you make?

Show yourself how to do fractions with a calculator that has an $a\,b/c$ button
Use $4\frac{1}{5} * 1\frac{5}{8} =$

Do $4\frac{1}{5} * 1\frac{5}{8}$ as decimals now!

Which is easier? Fractions or decimals?

Hope you enjoyed fractions.
Hope you see how useful (and easy (?)) they are!

Perhaps you noticed that knowing your multiplication tables is rather important to make the best use of fractions!