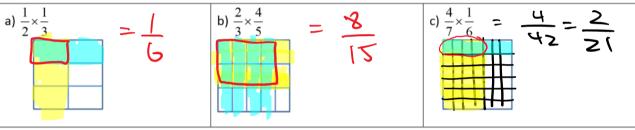
Name:______ Date:_____

Math 8 HW Section 2.2 Multiplying Proper Fractions

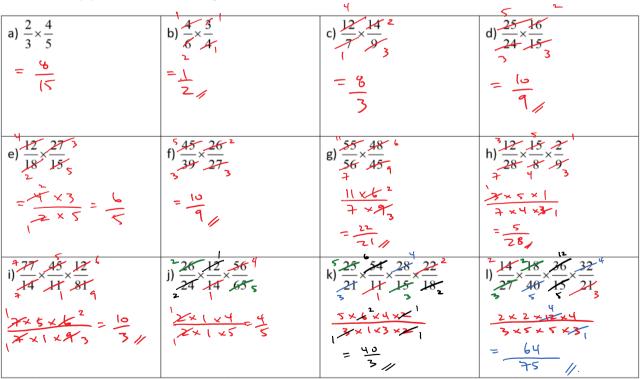
1. Simplify each of the fractions to lowest terms:

a) $\frac{8}{12} = \frac{2}{3}$	b) $\frac{15}{25} = \frac{3}{5}$	c) $\frac{24}{36} = \frac{2}{3}$	d) $\frac{36}{63} = \frac{4}{7}$	e) $\frac{56}{49} = \frac{\$}{7}$	f) $\frac{48}{84} = \frac{4}{7}$	
g) $\frac{65}{117} = \frac{5}{9}$	h) $\frac{150}{105} = \frac{10}{7}$	i) $\frac{224}{36} = \frac{56}{9}$	j) $\frac{24}{96} = \frac{1}{4}$	k) $\frac{81}{135} = \frac{3}{5}$	$L) \frac{720}{1080} = \frac{2}{3}$	

2. Multiply each of the following by using the area model:



3. Multiply each of the following without a calculator:



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4. Johnny's gas tank is 8/15 full. He uses ¾ of the gas he has to drive to work. If his car can hold 90L of gas, how much gas did he use to get to work?

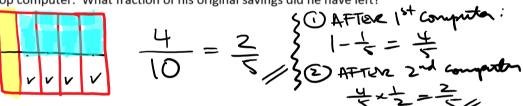
as, how much gas did he use to get to work? $\begin{array}{c} 12 \\ 148$

5. 4/5 of the students are passing in Science class and 1/3 of these students are getting A's. What fractions of students are getting A's? 4/5 of the students are getting A's. What

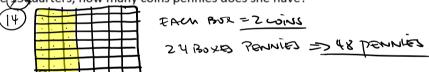
6. In Mr. T's class of 60 students, a quarter of them have <u>blonde hair</u> and <u>three-fifths of them are boys</u>. How many students in Mr. T's class are boys with blonde hair?

How many students in lvir. I's class are boys with biology $\frac{3}{3}$ = $\frac{9}{3}$

7. Albert spert 1/5 of his savings on a new computer. Later that week, he spent ½ of the rest on another desktop computer. What fraction of his original savings did he have left?



8. Jenny has a purse of coins. 3/7 of the coins are pennies. 1/8 of the other coins are quarters. If there are suarters, how many coins pennies does she have?



9. Shirley bought a bunch of donuts and left it in the common room. Mike arrives and eats 1/3 of all the donuts. Then Eva arrives and eats ½ of what remained. If there was 3 donuts left, how many donuts did Shirley buy?

