Fraction exam practice:

1. Write a word problem for $\frac{7}{8}-\frac{2}{3}$

2. Write a word problem for $\frac{3}{4}+\frac{5}{6}$

3. Write a word problem for $\frac{3}{4}\times\frac{5}{6}$

4. Write a measurement division word problem for $\frac{7}{8}\div\frac{1}{3}$

5. Draw and explain the process of subtracting $\frac{2}{3}-\frac{3}{8}$ using fraction circles by matching and trading.

6. Draw and explain the process of adding $\frac{5}{6}+\frac{4}{5}$ using fraction squares. Include and explanation of finding equivalent fractions with the same denominator using the visual model *and* use the visual model to explain the multiplication process for the equivalent fractions.

7. For the computation: $\frac{3}{4}\times\frac{5}{8}$; tell which factor you are using as the multiplicand (number of units in 1 whole set), and which you are using as the multiplier (number of sets); show how to find the product using a square area diagram; explain how to get the multiplication steps $\frac{3\times5}{4\times6}$ from your diagram.

8. Solve the problem below using a diagram. Describe any leftover amount in both ways:

Suzanne has $3\frac{1}{4}$ oz. of dried marjoram. She is filling bottles with $\frac{2}{5}$ oz. of marjoram each. How many bottles can she fill?

9. Decide whether each of these is multiplication or division and write the equation for each:

a. Janet walked 2/3 of a block. A block is 1/4 of a mile. How many miles did she walk?

b. Kylie only has 2/3 as much ribbon as she needs for the present she is wrapping. She has 3/4 of a yard of ribbon. How many yards of ribbon does she need for the present?

c. Mandy has 7/8 of a gallon of milk. She is pouring glasses that each hold 3/16 of a gallon of milk. How many glasses-full does she have?

10. Which equation matches each question (note, some equations may be used twice, and others not at all)

a. A full box of crackers holds 5/4 lb of crackers. How many lbs of crackers is in 2/3 of a box of crackers?	i. $\frac{5}{4}+\frac{2}{3}$
b. A full box of crackers holds 5/4 lb of crackers. If my friends eat 2/3 of the box, how many lbs of crackers will be left?	ii. $\frac{5}{4}-\frac{2}{3}$
c. A full box of crackers holds 5/4 lb of crackers. If my friends eat 2/3 lb of crackers, how many lbs of crackers will be left?	iii. $\frac{5}{4}\times\frac{2}{3}=\frac{2}{3}\times\frac{5}{4}$
d. A full box of crackers holds 5/4 lb of crackers. If I have 2/3 lbs of crackers, how many boxes is that?	iv. $\frac{5}{4}\div\frac{2}{3}$
e. A full box of crackers holds 5/4 lb of crackers. If I have a box of crackers and another 2/3 of a box of crackers, how many lbs of crackers do I have?	v. $\frac{2}{3}\div\frac{5}{4}$
f. A full box of crackers holds 5/4 lb of crackers. If I have a box of crackers and another 2/3 lbs of crackers, how many lbs of crackers do I have?	vi. $\frac{5}{4}-\left(\frac{5}{4}\times\frac{2}{3}\right)$
g. A blue box of crackers holds 5/4 lb of crackers. A red box of crackers holds 2/3 lbs of crackers. How many more lbs of crackers are in a blue box than a red box.	

11. Draw diagrams to solve the problem, with each of the number pairs below:

A box of crackers weighs ☐ lbs. How much do(es) ❍ box(es) of crackers weigh?

a. ☐ =2 and ❍ = 3/5 a. ☐ =3/8 and ❍ = 3 a. ☐ =3/8 and ❍ = 3/5