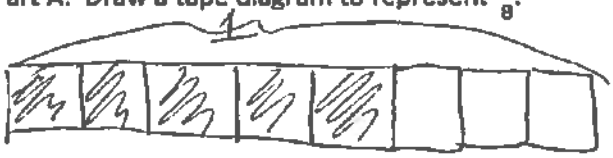
Name _____

Spiral Review – Monday – December 7, 2015

1.) Part A: Draw a tape diagram to represent $\frac{5}{8}$.



Part B: Decompose $\frac{5}{8}$ into the **sum of unit fractions.**

$\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}=\frac{5}{8}$

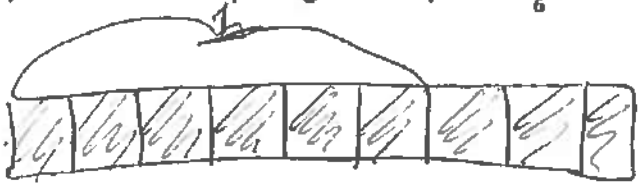
Part C: Decompose $\frac{5}{8}$ another way using an addition sentence.

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

Part D: Now write $\frac{5}{8}$ as a multiplication sentence with a whole number and a unit fraction.

$\frac{1}{8}\times 5=\frac{5}{8}$

2.) Part A: Draw a tape diagram to represent $\frac{9}{6}$.



Part B: Decompose $\frac{9}{6}$ into the **sum of unit fractions.**

$\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}=\frac{9}{6}$

Part C: Decompose $\frac{9}{6}$ another way using an addition sentence.

$\frac{5}{6}+\frac{4}{6}=\frac{9}{6}$

Part D: Now write $\frac{9}{6}$ as a multiplication sentence with a whole number and a unit fraction.

$\frac{1}{6}\times 9=\frac{9}{6}$

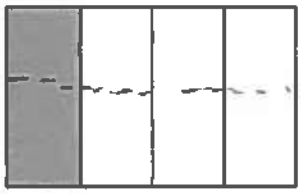
3.) Rewrite $\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$ as a multiplication expression.

$\frac{1}{6}\times 5=\frac{5}{6}$

4.) Rewrite $3\times\frac{1}{7}$ as the **sum of unit fractions.**

$\frac{1}{7}+\frac{1}{7}+\frac{1}{7}=\frac{3}{7}$

5.) Use the model below.



Part A: Name the fractional part shaded. $\frac{1}{4}$

_____

Part B: Decompose the shaded fraction into **smaller units** using the area model in Part A. Express the **equivalent fractions** in a number sentence using multiplication. (Draw horizontal lines on the model. Remember what you do to the denominator, you do to the numerator.)

$\frac{1}{4}\times 2=\frac{2}{8}$

$\frac{1}{4}\times 2=\frac{2}{8}$

Tuesday, December 8, 2015

6.) Complete the number sentence. You may use a tape diagram or area model to help you.

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

7.) Circle all of the fractions that are greater than 1 whole.

$\frac{6}{3}$ $\frac{2}{3}$ $\frac{8}{4}$ $\frac{3}{5}$

8.) Write the number that completes the statement of equivalent fractions.

$\frac{3}{5} = \frac{9}{15}$ (×3)

9.) Explain why the fractions in #8 are equivalent.

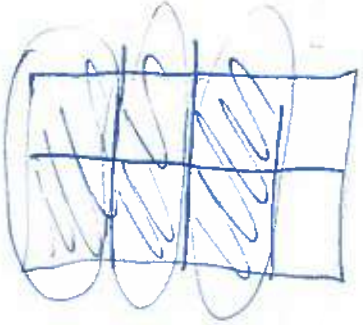
$\frac{3}{5} = \frac{9}{15}$

The shading is the same

10.) Circle the **two** fractions that are equivalent to each other.

$\frac{3}{7}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{6}{8}$

11.) Draw an area model to prove that the two fractions you chose for #10 are equivalent.



$\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$

12.) Megan wrote the following equivalent fractions but she thinks she made a mistake. If the equivalent fractions are correct, give the pair a check. If the fractions are incorrect, change the fraction on the right to make it correct.

$\frac{3}{4} = \frac{9}{12}$ (×3) ✓

$\frac{4}{3} = \frac{12}{9}$ (×3) ✓

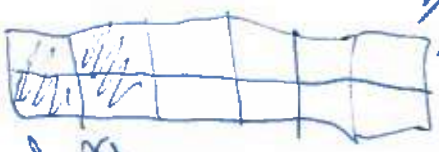
$\frac{5}{6} = \frac{10}{24}$ (+2, ×12) ✗ $\frac{10}{12}$ or $\frac{20}{24}$

$\frac{3}{8} = \frac{12}{16}$ (×12) ✗ $\frac{6}{16}$

13.) A loaf of bread was cut into 6 equal slices. Each of the 6 slices was cut in half to make thinner slices for sandwiches.

Mr. Beach used 4 slices. His daughter said "Wow you used $\frac{2}{6}$ of the loaf!" His son said "No, he used $\frac{4}{12}$." Who is correct and why? (Draw a tape diagram to help solve.)

Both are correct

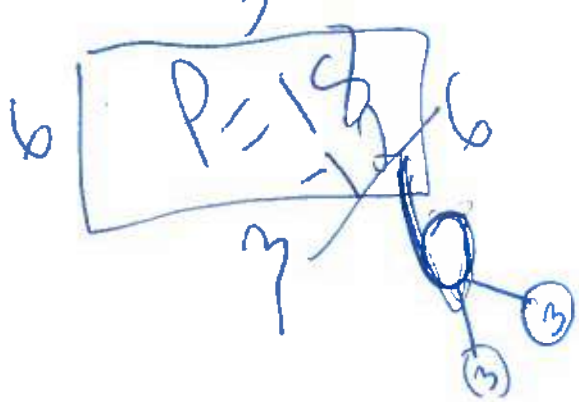


$\frac{3}{6} = \frac{6}{12}$

Both have same shading

14.) Mrs. Colley drew a rectangle that is 6 inches long and had a perimeter of 18 inches. What is the **width** of the rectangle? (Draw a picture of a rectangle to help you solve.)

3 in



Tuesday, December 8, 2015

15.) What is the quotient of 48 ÷ 3? Show your work.

16

3|48
3
18
-18
0

16.) Find the product. **254 x 3**

254
x 3
762

17.) Mrs. Farrell's class collected 1,256 Box Tops. Mrs. Buford's class collected 1,526 Box Tops.

A. Which class collected the most Box Tops?

1,526 Mrs. Buford

B. Write a comparison statement using <, >, or = to support your answer.

1,526 > 1,256 1,256 < 1,526

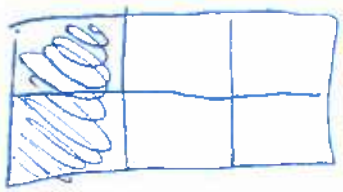
C. Draw a **place value chart** to compare the two numbers.

thou	hun	tens	ones
1	5	2	6
1	2	5	6

Thursday, December 10, 2015

1.) Draw an area model to show the decompositions represented by the number sentences below. Represent the decomposition as a sum of unit fractions and as a multiplication sentence.

$$\frac{1}{3} = \frac{2}{6}$$



Sum of unit fractions:

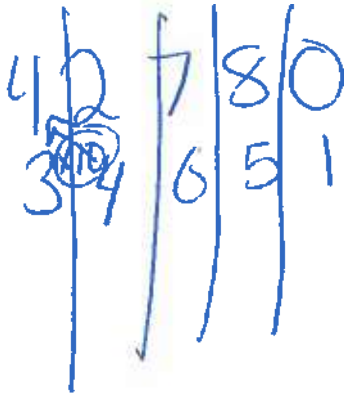
$\frac{1}{3} = \frac{1}{6} + \frac{1}{6} = \frac{2}{6}$

Multiplication sentence:

$2 \times \frac{1}{6} = \frac{2}{6}$ or $\frac{1}{3}$

2.) The value of the digit 4 in the number 42,780 is 10 times the value of the digit 4 in which number?

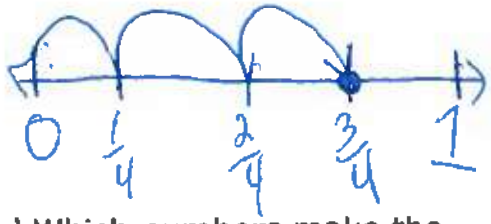
- (a) 34,651
- (b) 146,703
- (c) 426,135
- (d) 510,400



3.) Decompose $\frac{3}{4}$ as the sum of the unit fractions.

$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$

Draw a number line to show $\frac{3}{4}$



4.) Which numbers make the comparison true?

$27{,}768 <$ 27,836

Select the **two** correct answers.

- (a) 27,759
- (b) 28,744
- (c) 26,773
- (d) 27,568
- (e) 27,836

5.) Write the number that completes the statement of equivalent fractions.

$\frac{8}{12} = \frac{2}{3}$