

Name: \_\_\_\_\_ Period: \_\_\_\_\_

Week 8 Homework Packet – 7<sup>th</sup> Grade Math

**ASSIGNMENT DUE TUESDAY, SEPTEMBER 27, 2016**

Unit 1, Chapter 4 – Rational Numbers

Score

/4

Week Score

/12

Stamp

Use some of the methods that you learned today working in groups to find which of the two fractions is larger. Show your work.

Find the least common denominator of each pair of fractions below:

1)  $\frac{3}{4}$  and  $\frac{2}{3}$

7)  $\frac{1}{8}$  and  $\frac{2}{5}$

2)  $\frac{5}{16}$  and  $\frac{1}{3}$

8)  $\frac{3}{7}$  and  $\frac{3}{14}$

3)  $\frac{7}{8}$  and  $\frac{11}{12}$

9)  $\frac{11}{12}$  and  $\frac{1}{3}$

4)  $\frac{4}{7}$  and  $\frac{1}{2}$

10)  $\frac{3}{10}$  and  $\frac{22}{25}$

5)  $\frac{3}{8}$  and  $\frac{7}{20}$

11)  $\frac{17}{22}$  and  $\frac{27}{33}$

6)  $\frac{3}{5}$  and  $\frac{2}{3}$

12)  $\frac{11}{12}$  and  $\frac{2}{15}$

**ASSIGNMENT DUE WED/THU. SEPTEMBER 28/29. 2016**

## Unit 1, Chapter 4 – Rational Numbers

*Unit Review*

1) How would you express the fraction  $\frac{52}{999}$  as a repeating decimal?

2) Use long division to show how you would express the fraction  $\frac{11}{25}$  as a decimal. Show all work!

Find the least common denominator of each pair of fractions below:

3)  $\frac{1}{5}$  and  $\frac{2}{3}$

4)  $\frac{3}{8}$  and  $\frac{7}{10}$

5)  $\frac{11}{16}$  and  $\frac{5}{6}$

6)  $\frac{3}{10}$  and  $\frac{2}{15}$

*Think Mathematically!*

8) Look at the sequence of patterns below. Come up with three different ways that you could describe in words how the pattern changes as you increase the figure number by 1.

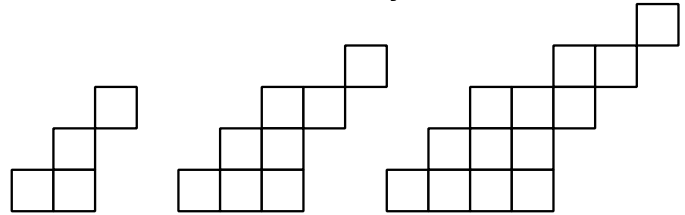


Figure 1

Figure 2

Figure 3

9) In the space below, draw what you believe Figure 5 should look like.

Name: \_\_\_\_\_ Period: \_\_\_\_\_

7<sup>th</sup> Grade Math

Score

/4

Stamp

**ASSIGNMENT DUE FRIDAY, SEPTEMBER 30, 2016**

Unit 1, Chapter 4 – Rational Numbers

For each problem below, add or subtract the fractions. Simplify your answers.

1)  $\frac{5}{16} + \frac{7}{16}$

2)  $\frac{2}{3} + \frac{1}{3}$

3)  $\frac{6}{11} + \frac{3}{11}$

4)  $\frac{5}{13} - \frac{8}{13}$

5)  $-\frac{3}{10} + \frac{9}{10}$

6)  $\frac{5}{16} - \frac{7}{16}$

7)  $\frac{4}{9} + \frac{8}{9}$

8)  $\frac{13}{16} - \frac{5}{16}$

There is a joke that goes as follows:

Someone went to a pizza parlor and ordered a medium pizza. The person behind the counter asked if the customer wanted it cut into 8 or 12 slices. The customer replied, "cut it into 8 slices. I don't think I could eat 12 slices of pizza!"

9) Explain in your own words what the joke is supposed to mean.