Grade 8 Unit: Operations With Fractions Homework January 15 – 19 2018

Monday

Vocabulary – Give a definition and/or example for each term.

1. Product –

2. Factor –

3. Proper fraction –

4. Equivalent fraction –

5. Mixed number –

6. Improper fraction –

7. Quotient –

Solve using a model

1. $^{1}/\_{3}$ x 4 = 2. $^{3}/\_{4}$ x $^{2}/\_{5}$

Tuesday

Find the product symbolically. Show ALL your work! Reduce when possible.

1. $3\frac{1}{4}$ x 5 = 2. $\frac{5}{6}$ x $\frac{3}{4}$ =

3. Jenny filled 7 glasses with $\frac{2}{6}$ of a litre of orange juice in each glass. How much orange juice did Jenny use?

4. You have 2/3 of a pumpkin pie left over from Thanksgiving. You want to give 1/2 of it to your sister. How much of the whole pumpkin pie will this be?

Estimate the product. Explain your answer and show your work.

1. $3\frac{1}{4}$ x 7 = 2. $\frac{4}{6}$ x 6 =

3. $4\frac{3}{4}$ x 5 = 4. $\frac{7}{5}$ x $\frac{8}{3}$ =

Wednesday

Draw a picture or use a number line to find the quotient.

1. 6 ÷ $\frac{1}{3}$ = 2. 5 ÷ $\frac{3}{5}$ =

3. 3 ÷ $\frac{1}{2}$ = 4. $\frac{2}{3}$ ÷ 4 =

New Vocabulary! Give a definition and/or example for each term.

1. Reciprocal –

2. Divisor –

3. Dividend –

Thursday

Find each quotient. Show all your work and reduce when possible.

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

3. $\frac{5}{3}$ ÷ $\frac{4}{5}$ = 4.2 $\frac{3}{4}$ ÷2 $\frac{1}{3}$ =

5. One teacher wants to give each student $\frac{6}{7}$ of a slice of pizza. If the teacher has 6 slices of pizza, then how many students will she be able to hand out pizza to?

6. In his backyard, Jason is planting rows of peppers. To plant a row of peppers, Jason needs $\frac{1}{3} $square feet. There are 6 square feet in Jason's backyard, so how many rows of peppers can Jason plant?