

54 & 55

11/29

Before Lesson TO DO List:

1. Get out your homework and make sure your name is on it.

2. Write the _____ in your agenda. Wkst. & quiz Friday

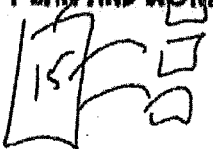
3. Fill in table of contents M2 L4-6 p.54&55 Dividing
Fractions Word Problems

4. Glue in notes

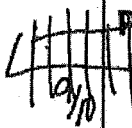
5. Go over homework

DIVIDING FRACTIONS IN REAL LIFE

1. A 15-pound bag of sugar is being split into containers that hold $\frac{7}{8}$ of a pound. How many containers of sugar will the 15-pound bag create?

I KNOW: 15 lb bag $\frac{7}{8}$ lb Containers	I NEED TO KNOW: How many Containers Will hold $\frac{7}{8}$ lb?
PLAN AND WORK:  $15 \div \frac{7}{8}$ $\frac{15 \cdot 8}{1 \cdot 7} = \frac{120}{7}$ $\frac{120}{7} = 17\frac{1}{7}$	MY SOLUTION: There can be $17\frac{1}{7}$ Containers. <u>18 containers</u>

2. Leo is building a model. He has a board that measures $\frac{9}{10}$ of a yard. If he cuts it into 15 equal parts, then how long will each piece be?

I KNOW: $\frac{9}{10}$ board 15 equal parts	I NEED TO KNOW: How <u>long</u> each piece will be?
PLAN AND WORK:  $\frac{9}{10} \div 15$ $\frac{9}{10} \cdot \frac{1}{15} = \frac{9}{150}$ $\frac{3}{50}$	MY SOLUTION: Each piece will be $\frac{3}{50}$ yd.

What is different about this problem? How does it change my plan?

3. Amanda uses $\frac{1}{3}$ of a cup of milk each time she makes a batch of pancakes. How many batches can she make if she only has $\frac{11}{12}$ of a cup of milk left?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	MY SOLUTION:

4. Mrs. Mitchell teaches a ceramics class. She finds that she has $\frac{7}{8}$ of a pound of clay for a project. The project requires $\frac{1}{6}$ of a pound. How many projects can Mrs. Mitchell complete without running out of clay?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	MY SOLUTION:

DIVIDING FRACTIONS IN REAL LIFE

Washington Middle School is hosting a pancake breakfast fundraiser to raise money for a new outdoor field area. They will be organizing the ingredients into different cooking stations in order to prepare.

Buttermilk Pancakes Recipe

this recipe makes 8 pancakes

$1\frac{1}{2}$ cups of flour

$\frac{3}{4}$ tsp of salt

1 cup of sugar

$\frac{7}{8}$ cup of buttermilk

2 eggs

$\frac{1}{2}$ cup of butter

1. All of the ingredients are purchased in bulk sizes. The butter comes in 12-cup containers. How many recipes will each container of butter be able to make?
2. Mrs. Little would like to set up each station to be able to make 64 pancakes. How many teaspoons of salt should be measured out for this quantity of pancakes?
3. Midway through the fundraiser, Mrs. Little, the sponsor, discovers a container of buttermilk in the back of the fridge. It has 6 cups of buttermilk in it. How many recipes will this make?
4. The salt is packaged in a bag with 36 tsp. How many batches of pancakes can be made out of this bag?
5. At the end of the evening, there are just enough ingredients to make 4 pancakes. How many cups of flour will be used in this batch?