Division of fractions problems:

1. Write a measurement division problem for $\frac{2}{3} \div \frac{3}{8}$. Draw a double number line diagram to solve the problem.

I have $\frac{7}{3}$ of a pound/cup of sugar candy bag

It takes $\frac{3}{8}$ of a form of to make a batch of ...

How many batches can I make?

| batch 3/4 | batch? | what fraction of a batch? |
| have = 2/3 Pound | = 24/2 H

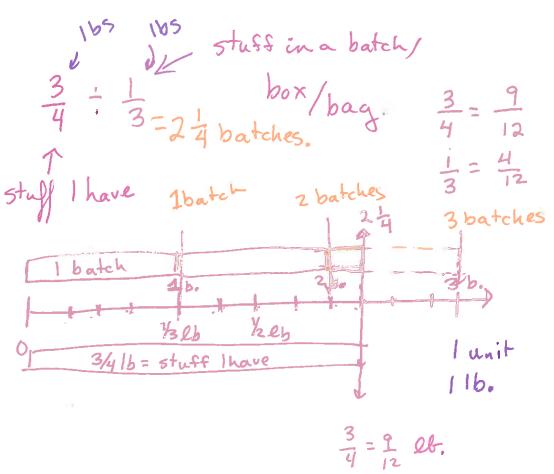
2. Write a partition division problem for $\frac{4}{5} \div \frac{3}{8}$. Draw a bar diagram (tape diagram) to solve the problem.

1 batch 2 batches

I have $\frac{7}{5}$ 1b of sugar. It makes $\frac{3}{8}$ batch of candy. How much sugar in I batch of candy

3. Use the bar diagram to explain why tells you the answer. $\frac{4}{5} + \frac{3}{8} = 5$ ize of $\frac{3}{8} = 1$ whole

the answer. $\frac{4}{5}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1$



$$\frac{2}{3} + \frac{1}{4} = \frac{2}{3}$$
 $\frac{2}{3} = \frac{8}{12} (1b)$ $\frac{1}{4} = \frac{3}{12} (1b)$

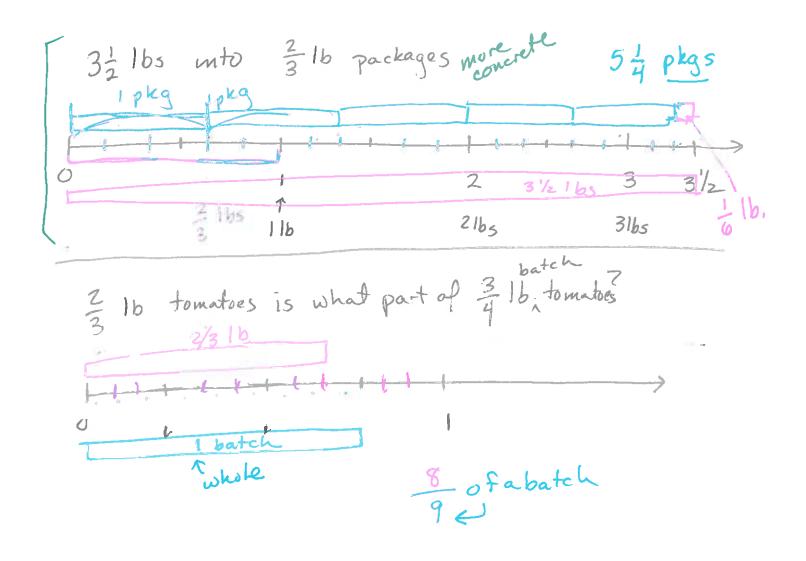
Noatch watche 3 patches

1 2/3 batches

1 (1b)

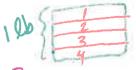
have

2/3 2b



Some more word problems:

- A full jar holds 2/3 lb of jelly. How much does 3/4 of a jar of jelly weigh? $\frac{3}{4}$ of $\frac{3}{3}$
- Mike has 3 lbs of candy. He wants to put 1/4 lb of candy into each bag. How many bags can he fill?

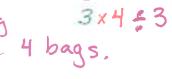






John has 3 bs of candy. He wants to put 3/4 b of candy into each bag. How many bags can he fill?





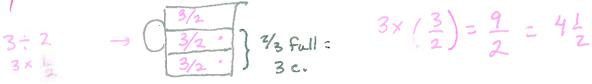
Sarah has a pitcher that is 1/4 full of water. There are 3 cups of water in it. How many cups of water can her full pitcher hold?



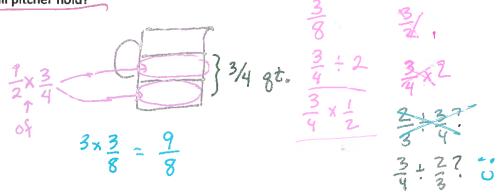
Jenna has a pitcher that is 3/4 full of water. There are 3 cups of water in it. How many cups of water can her full pitcher hold?



Kylie has a pitcher that is 2/3 full of water. There are 3 cups of water in it. How many cups of water can her full pitcher hold?



Paula has a pitcher that is 2/3 full of water. There is 3/4 of a quart of water in it. How many quarts of water can her full pitcher hold?



A bag of candy weighs \frac{2}{3} 1b. \frac{2}{3} \times \frac{1}{4} How much does to bag weigh? If he puts $\frac{2}{3}$ 1b of candy in each bag. How many bags came he fill?

have $3\frac{1}{2}$ lbs alsugar. It is $\frac{2}{3}$ of my sugar box. How much sugar in I full box?

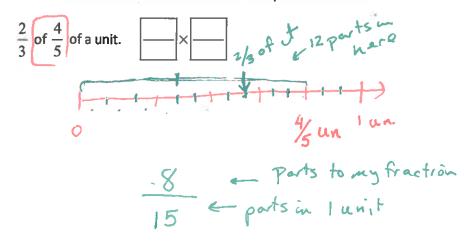
| $\frac{3}{2}$ box = $\frac{3}{2}$ lbs = $\frac{7}{2}$ lbs

| $\frac{3}{2}$ box = $\frac{7}{2}$ lbs

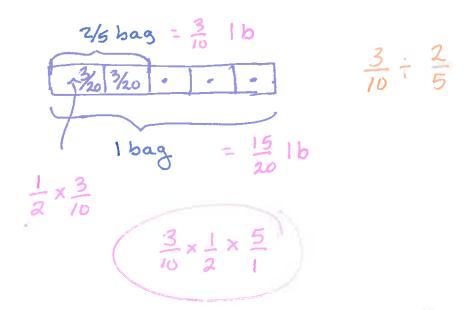
| $\frac{1}{2}$ of $\frac{3}{2}$ lby $\frac{1}{1}$. I box = $\frac{7}{2}$ lbs

 $\frac{7}{2} \times \frac{1}{2} \times \frac{3}{1} = \frac{7 \times 3}{2 \times 2}$

6. Fill in the blanks and draw a number line picture to solve:



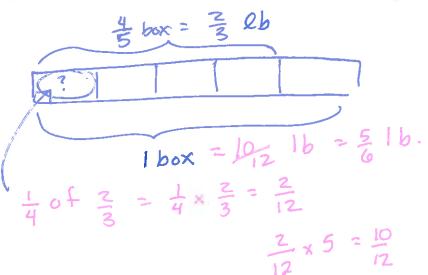
7. Draw an area picture (with squares) to solve $\frac{2}{3} \times \frac{4}{5}$. Explain with words how the picture shows that the answer should be $\frac{2 \times 4}{3 \times 5}$



Mike has $\frac{4}{5}$ box of crackers

His crackers weigh 3 16.

How much does I box weigh?



Solve each by drawing a picture. Then try to find an equation that solves the problem the same way.

- 2. Jan has 2/5 of a bag of candy. Her candy weighs 3/10 of a pound. How much does a full bag of candy weigh? Jan has 2 bag. All of her condy weighs 165. How much in Ifull bag?

 Bar diagram (tape diagram)
- 3. Jan has 3/10 of a pound of candy. A full bag of candy weighs 3/4 of a pound. How many bags of candy does Jan have?

 Jan has _____ lbs of candy = 1 full bag weighs _____ lbs. How many bags of candy?

 Live

4. James has 2/3 cup of milk. Mary has 3/4 as much milk as James. How much milk does Mary have?

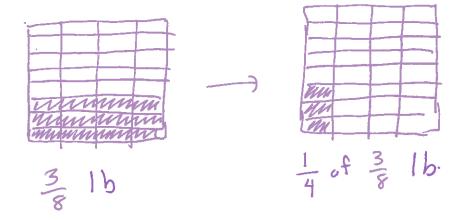
5. Mary has 1/2 cup of milk. She has 3/4 as much milk as James. How much milk does James have?

I had % of a bag of sugar. I used 1/2 of @ barg of sugar to make (i) cookies How much suger is left? I had 2/3 of a bag of sugar, I used 1/2 of it to make cookies. How much do I have left? I had 2/3 of a bag of sugar I used 1/2 of it to make cookie. Gameso How much sugar is left? example How much sagar is left?

Lucy walked 3/3 of a mile, Mike walked 1/2 of a mile How many more miles did Mike walk than Lucy? mattyhet A chocolate bor weighs of (b.) Anna ate 2/3 of a choc. bar. multiplication How much did she eat? [How many (bs) of chocolate did she eat?] [What fraction if a bar did she eat?]

A recipe calls for 2/3 of a cup of sugar. How much sugar do I need for 4/5 of batch a recipe? A bag of candy weighs \$ 16. How much does 4 bag weigh?

Mustiplication



A bag of candy weighs 4 1b. How much does $\frac{2}{3}$ bag weigh?

$$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5}$$

zig the 4 lb.

 $\frac{1}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} \leftarrow \text{whole rows x cols.}$

have 1/3 of a box of sugar. I use 1/2 of the box to make cookies. How much sugar do I have left? 3 of whole box 2 of whole box I have 2/3 of a box of sugar. I use 1/2 of the box of sugar to make Cookies. How much sugar do I use? wa = x = half of the stuff in the box 3 of whole box

A recipe calls for 3/3 cup of sugar,

I want to make the recipe 4 targer as large

How much sugar should I use?

Shelly spent 3% of the day in school.

She spent 4/5 of the school day helping at the career fair. What fraction of the day was spent at the career fair.