

NAME

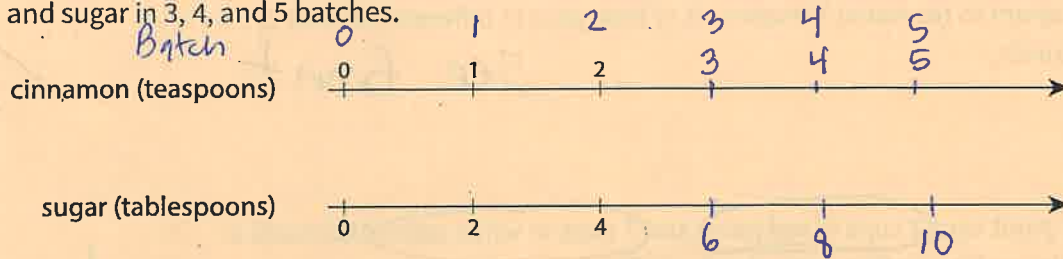
DATE

PERIOD

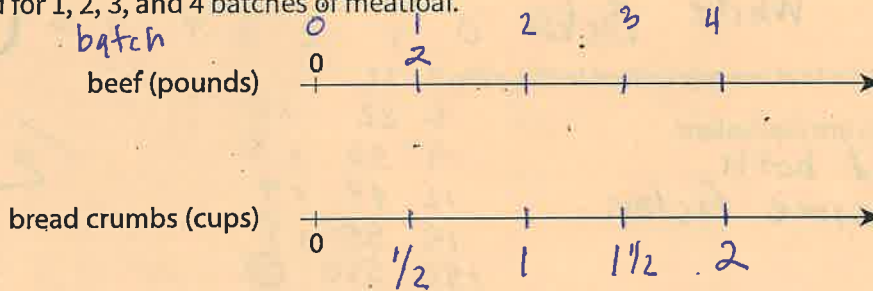
Unit 2, Lesson 7

Practice Problems

1. A recipe for cinnamon rolls uses 2 tablespoons of sugar per ONE teaspoon of cinnamon for the filling. Complete the double number line diagram to show the amount of cinnamon and sugar in 3, 4, and 5 batches.

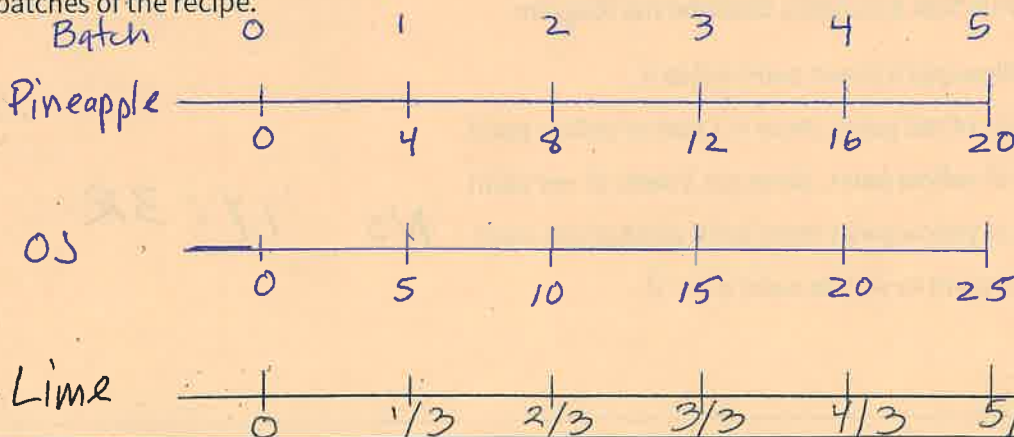


2. One batch of meatloaf contains 2 pounds of beef and $\frac{1}{2}$ cup of bread crumbs. Complete the double number line diagram to show the amounts of beef and bread crumbs needed for 1, 2, 3, and 4 batches of meatloaf.



3. A recipe for tropical fruit punch says, "Combine 4 cups of pineapple juice with 5 cups of orange juice."

- a. Create a double number showing the amount of each type of juice in 1, 2, 3, 4, and 5 batches of the recipe.



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b. If 12 cups of pineapple juice are used with 20 cups of orange juice, will the recipe taste the same? Explain your reasoning.

It would be too orangey. NO $\times 3$ (4 PA: 50) $\times 3$ 12 15 \rightarrow not 20

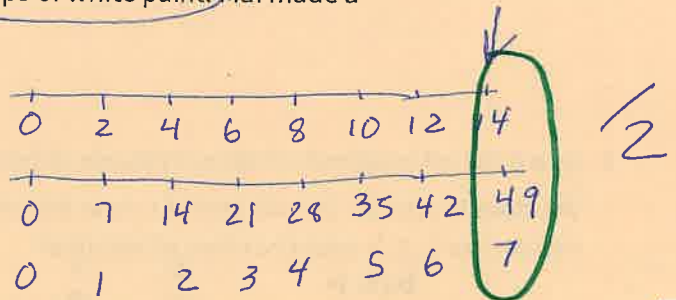
c. The recipe also calls for $\frac{1}{3}$ cup of lime juice for every 5 cups of orange juice. Add a line to your diagram to represent the amount of lime juice in different batches of tropical fruit punch.

See front $\frac{1}{3}$

4. One batch of pink paint uses 2 cups of red paint and 7 cups of white paint. Mai made a large amount of pink paint using 14 cups of red paint.

a. How many batches of pink paint did she make? R
b. How many cups of white paint did she use? W

$\times 7$ $\left(\begin{matrix} R \\ 2 \\ \hline 14 \end{matrix} \right)$ $\begin{matrix} W \\ 7 \\ \hline 49 \end{matrix}$ 7 batches 49 cups white Batch



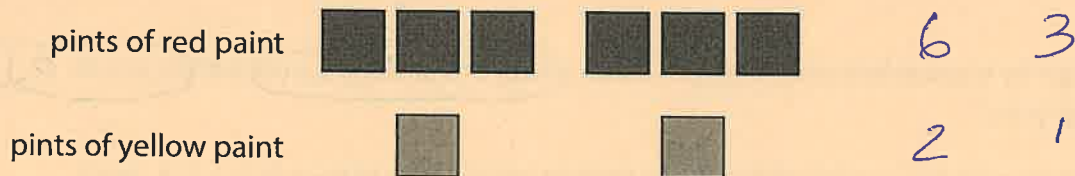
5. a. Find three different ratios that are equivalent to the ratio 3 : 11.

b. Explain why your ratios are equivalent.

Multipled both parts by same factor.

6 : 22 $\times 2$
9 : 33 $\times 3$
12 : 44 $\times 4$
15 : 55 $\times 5$
150 : 550 $\times 50$

6. Here is a diagram that represents the pints of red and yellow paint in a mixture.



Select all statements that accurately describe the diagram.

- A. The ratio of yellow paint to red paint is 2 to 6.
- B. For every 3 pints of red paint, there is 1 pint of yellow paint.
- C. For every pint of yellow paint, there are 3 pints of red paint.
- D. For every pint of yellow paint there are 6 pints of red paint.
- E. The ratio of red paint to yellow paint is 6 : 2.

NO 1Y: 3R 15