

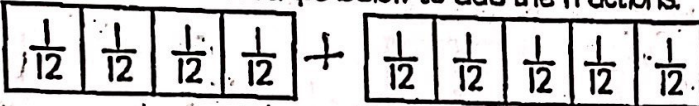
#DUE Monday 2/3/2020

Name Key

4th Grade Homework-Week 22

21, 22

Use the fraction strips below to add the fractions.

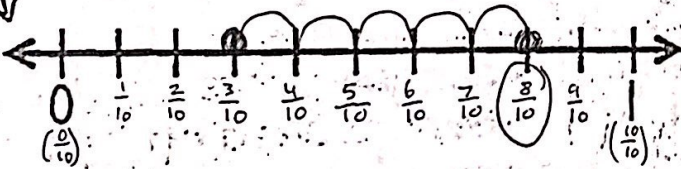


$$\frac{4}{12} + \frac{5}{12} = \frac{9}{12} \text{ (or } \frac{3}{4} \text{)}$$

Use the number line to solve the equation.

Draw it!

$$\frac{3}{10} + \frac{5}{10} = \frac{8}{10} \text{ (or } \frac{4}{5} \text{)}$$



Select the addition expressions that correctly decompose the whole →



$\frac{1}{8} + \frac{1}{8} + \frac{3}{8} + \frac{3}{8} = \frac{8}{8}$

$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{7}{8}$

$\frac{4}{8} + \frac{3}{8} + \frac{1}{8} = \frac{8}{8}$

$\frac{4}{4} + \frac{4}{4} = \frac{8}{4}$ (or 2 wholes)

$\frac{2}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{8}{8}$

$\frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{2}{2} = \frac{8}{2}$ (or 4 wholes)

Monday

$$\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$$

$$\frac{2}{6} + \frac{2}{6} = \frac{4}{6} \text{ (or } \frac{2}{3} \text{)}$$

$$\frac{4}{7} + \frac{1}{7} = \frac{5}{7}$$

$$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$$

Write an equation for the fraction model below.



$$\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$$

INF3

What subtraction sentence can be written using the fraction model below?



$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

Mom bought a pizza for dinner. The models below show how much pizza there was before and after the family ate. How much pizza was eaten for dinner? Write an equation to solve.

Before Dinner



After Dinner



$$\frac{8}{8} - \frac{1}{8} = \frac{7}{8}$$

(Before) (After) eaten

April had a bag of jelly beans. $\frac{1}{5}$ of the bag was yellow. $\frac{2}{5}$ of the bag was red. What fraction of the bag was not yellow or red?

$$\frac{5}{5} - \frac{1}{5} - \frac{2}{5} = \frac{2}{5}$$

(whole) (yellow) (red) not yellow or red

Nan's recipe needs $\frac{3}{12}$ of a cup of butter and $\frac{11}{12}$ of a cup of milk. How much more milk does the recipe need than butter?

$$\frac{11}{12} - \frac{3}{12} = \frac{8}{12} \text{ (or } \frac{2}{3}\text{)}$$

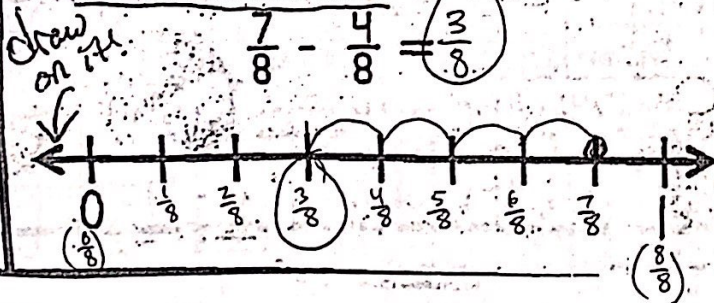
(cup milk) (cup butter)

$$\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$$

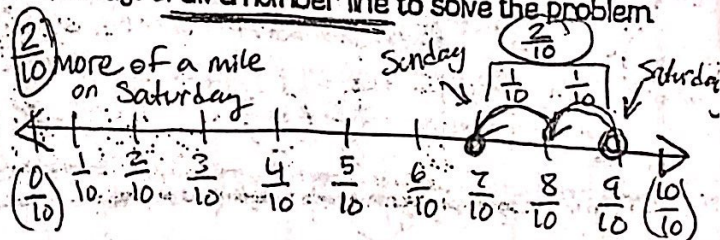
$$\frac{4}{7} - \frac{1}{7} = \frac{3}{7}$$

$$\frac{6}{9} - \frac{5}{9} = \frac{1}{9}$$

Use the number line to solve the equation.



Ana ran $\frac{9}{10}$ of a mile on Saturday. She ran $\frac{7}{10}$ of a mile on Sunday. How much farther did she run on Saturday than Sunday? Draw a number line to solve the problem.



Name Key

4th Grade Homework Week 22

Complete the chart by placing an X in the correct column.



	$> \frac{1}{2}$	$< \frac{1}{2}$
$\frac{7}{8} > \frac{1}{2}$	X	
$\frac{1}{9} < \frac{1}{2}$		X
$\frac{4}{11} < \frac{1}{2}$		X
$\frac{2}{10} < \frac{1}{2}$		X
$\frac{5}{7} > \frac{1}{2}$	X	



Circle the fraction that is the least.

$\frac{5}{10} (\frac{1}{2})$ $\frac{7}{9} (\frac{1}{2})$ $\frac{3}{8} (\frac{1}{2})$ $\frac{1}{3} (\frac{1}{2})$

(Note: In the original image, 1/3 is circled in red with an arrow pointing to the word 'least'.)

Which fractions are less than $\frac{1}{2}$?

Circle the fraction that is the greatest.

$\frac{1}{4} (\frac{5}{20})$ $\frac{2}{5} (\frac{8}{20})$ $\frac{7}{10} (\frac{14}{20})$ $\frac{1}{2} (\frac{10}{20})$

(Note: In the original image, 7/10 is circled in red.)

Will, Jen, and Brad were eating slices from the same pizza. Will ate $\frac{1}{3}$ of the pizza. Jen ate $\frac{3}{12}$ of the pizza. Brad ate $\frac{1}{6}$ of the pizza.

$W \rightarrow \frac{1}{3} = \frac{4}{12}$
 $J \rightarrow \frac{3}{12} = \frac{3}{12}$
 $B \rightarrow \frac{1}{6} = \frac{2}{12}$

Who ate the most? Will ($\frac{1}{3} = \frac{4}{12}$)

Who ate the least? Brad ($\frac{1}{6} = \frac{2}{12}$)

Write an inequality comparing the three amounts.

$\frac{1}{6} < \frac{3}{12} < \frac{1}{3}$
 (Brad) (Jen) (Will)

What common denominator would you use to find equivalent fractions to compare $\frac{4}{8}$, $\frac{3}{4}$, and $\frac{1}{2}$?

8 OR 4

$\star \frac{4}{8} \rightarrow \text{stay}, \frac{3}{4} = \frac{6}{8}, \frac{1}{2} = \frac{4}{8}$
 OR $\frac{4}{8} \rightarrow \frac{2}{4}, \frac{3}{4} \rightarrow \text{stay}, \frac{1}{2} = \frac{2}{4}$

Makayla and Brandy were running in a 5K. It took Makayla $\frac{3}{5}$ of an hour to cross the finish line. It took Brandy $\frac{7}{10}$ of an hour to cross the finish line. Who took less time to cross the finish line?

$$\frac{6}{10} < \frac{7}{10}$$

Makayla Brandy

Order the fractions from least to greatest.

$$\frac{3}{4} < \frac{5}{8} < \frac{2}{6}$$

Order the fractions from greatest to least.

$$\frac{4}{5} > \frac{7}{10} > \frac{1}{2}$$

$$\frac{1}{5} \times 2 = \frac{2}{10}$$

$$\frac{4}{8} = \frac{2}{4}$$

$$\frac{2}{3} \times 4 = \frac{8}{12}$$

$$\frac{10}{14} \div \frac{2}{2} = \frac{5}{7}$$

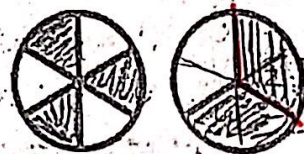
Which of these fractions is closest to 0 on a number line?

$$\frac{2}{10}, \frac{3}{4}, \frac{2}{3}, \frac{3}{3} = 1$$

Circle the fractions that would make the inequality true:

$$\frac{3}{4} > \frac{1}{3}, \frac{7}{8}, \frac{3}{9}, \frac{2}{4}$$

Compare the fraction models below. Write an inequality to represent the models.



$$\frac{3}{6} < \frac{2}{3}$$

$$\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}$$

Compare the fractions using $<$, $>$, or $=$

$$\frac{5}{6} > \frac{1}{3}, \frac{2}{4} > \frac{2}{8}, \frac{3}{4} < \frac{11}{12}$$