

Name Key

4th Grade Homework <sup>Due</sup> 3/2/20 Week 26

Write the equations that correctly represent the model.



Addition Equation  
 $\frac{5}{6} + \frac{5}{6} + \frac{5}{6} + \frac{5}{6} = \frac{20}{6}$  or  $3\frac{2}{6}$  or  $3\frac{1}{3}$

Multiplication Equation  
 $\frac{5}{6} \times 4 = \frac{20}{6}$  or  $3\frac{2}{6}$  or  $3\frac{1}{3}$

Fill in the missing numbers.

$8 \times \frac{5}{10} = \frac{40}{10}$  (or 4)

$12 \times \frac{2}{3} = \frac{24}{3}$

$18 \times \frac{2}{9} = \frac{36}{9}$

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

Amanda had a cold. She used  $\frac{2}{3}$  box of tissues each day for 5 days. How many boxes of tissues did Amanda use in all?

$\frac{2}{3} \times 5 = \frac{10}{3} = 3\frac{1}{3}$  boxes

\*Write an equation and solve!

Select the fractions that are multiples of  $\frac{1}{2}$

$\frac{3}{2}$     $\frac{2}{6}$     $\frac{5}{2}$

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

(fact families) Write the related facts for 6, 4, and 24.

$6 \times 4 = 24$     $24 \div 4 = 6$

$4 \times 6 = 24$     $24 \div 6 = 4$

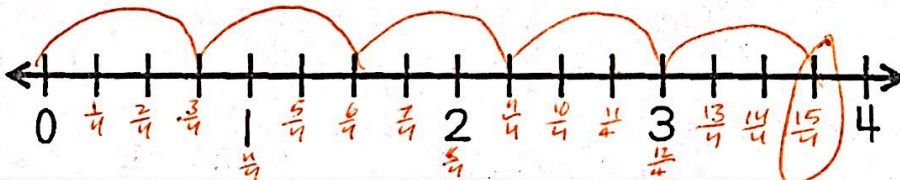
(Circle) the expressions that will result in a product that is a whole number.

$15 \times \frac{1}{2} = \frac{15}{2} \times$     $8 \times \frac{4}{5} = \frac{32}{5} \times$

$6 \times \frac{7}{8} = \frac{42}{8} \times$     $4 \times \frac{3}{6} = \frac{12}{6} = 2$

$9 \times \frac{3}{4} = \frac{27}{4} \times$     $18 \times \frac{1}{3} = \frac{18}{3} = 6$

Use the number line to model  $5 \times \frac{3}{4} = \frac{15}{4}$  or  $3\frac{3}{4}$



$$\begin{array}{r} 492,456 \\ - 130,954 \\ \hline 361,502 \end{array}$$

Write an equation and solve!

Ferdinand swam  $\frac{1}{4}$  of an hour each day on Monday and Tuesday. On Wednesday, Thursday and Friday, he swam  $\frac{2}{4}$  of a hour each day. How many total hours did Ferdinand swim?

$(\frac{1}{4} \times 2) + (\frac{2}{4} \times 3) = \frac{2}{4} + \frac{6}{4} = \frac{8}{4} = 2$  hours

Use math notebook, page 26!

When this number is divided by 8 the quotient is 229 with a remainder of 4.

What is the number?

$\square \div 8 = 229 \text{ r } 4$     $\begin{array}{r} 229 \\ \times 8 \\ \hline 1832 \\ + 4 \\ \hline 1836 \end{array}$

Write an equation and solve!

Mike talked on the phone with his friend for  $\frac{2}{8}$  hours. If he calls 4 more friends and talks the same amount of time to each friend, how many hours will he spend talking on the phone?

$\frac{2}{8} + (\frac{2}{8} \times 4) = \frac{2}{8} + \frac{8}{8} = \frac{10}{8} = 1\frac{2}{8} = 1\frac{1}{4}$  hours

On Tuesday, Becka checked out a new book from the library. She read  $\frac{1}{7}$  of her book that day. She read three times as much on Wednesday. How much more does Becka need to read to finish her

book?  
 $\frac{7}{7} - \frac{1}{7} - (3 \times \frac{1}{7}) = \frac{7}{7} - \frac{1}{7} - \frac{3}{7} = \frac{3}{7}$  left

\*Write an equation and solve!

Please attach any scratch paper you use so I can see how you solve!

Select the addition expressions that correctly decompose the fraction. *Show your work!*



$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{5}{6}$  ✓

$\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$  ✓

$\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6}$  ✗

$\frac{1}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6} = \frac{5}{6}$  ✓

$\frac{1}{6} + \frac{2}{6} + \frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{9}{6}$  ✗

Howard stacked 2 of the 15 chairs in the classroom. What fraction of the chairs is left to stack?

$\frac{15-2}{15} = \frac{13}{15}$

*Write an equation and solve!*

Jaycee washed all but  $\frac{1}{3}$  of her towels. What fraction of her towels did she wash?

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

*Write an equation and solve!*

Find the difference.

$563,289 - 67,308 = 495,981$

Find the sum.

$189,448 + 360,367 = 549,815$

Write the equation as a comparison statement.  $6 \times 7 = 42$

- Forty-two is six times as many as seven.
- Seven times more than six is forty-two

Use <, >, or = to compare the amounts. *Show your work!*

$3\frac{3}{10} + 4\frac{1}{10} < 5\frac{8}{10} + 2\frac{6}{10}$

$\frac{8}{10} + 2\frac{9}{10} > 1\frac{7}{10} + 1\frac{6}{10}$

$67\frac{4}{7} - 4\frac{6}{7} > 56\frac{2}{7} - 3\frac{5}{7}$

Parker and his three friends ordered a pizza for lunch. Each person ate an equal amount of slices. If the pizza was cut into 8 slices, how many slices did each person eat?

*Write an equation and solve!*

$8 \div 4 = 2$  slices each

This question has 4 parts, A-D.

Alexis wanted to bring cupcakes to her friend's sleepover. She bought a tray of 15 cupcakes. Alexis and her friends Darla, Pauline, Cheree, and Nell all ate some of the cupcakes.

- Alexis ate  $\frac{1}{15}$  of the cupcakes. =  $\frac{1}{15}$
- Darla ate three times as many as Alexis.  $3 \times \frac{1}{15} = \frac{3}{15}$
- Pauline and Nell ate the same amount of cupcakes. Together they ate  $\frac{6}{15}$  of the cupcakes.  $\frac{1}{2} \times \frac{6}{15} = \frac{6}{30} = \frac{1}{5}$
- Cheree ate twice as many cupcakes as Alexis.  $2 \times \frac{1}{15} = \frac{2}{15}$

- Part A** - What fraction of the cupcakes did Darla eat?  
Darla = 3 x Alexis  
Darla =  $3 \times \frac{1}{15}$ , Darla ate  $\frac{3}{15}$  or  $\frac{1}{5}$  of the cupcakes
- Part B** - What fraction of the cupcakes did Pauline eat?  
Pauline =  $\frac{1}{2}$  of  $\frac{6}{15}$ ,  $\frac{1}{2} \times \frac{6}{15} = \frac{6}{30}$ , or  $\frac{1}{5}$  of the cupcakes
- Part C** - What fraction of the cupcakes did Cheree eat?  
Cheree = 2 x Alexis  
Cheree =  $2 \times \frac{1}{15}$ ,  $\frac{2}{15}$
- Part D** - How many cupcakes were eaten at the sleepover?

Alexis + Darla + Pauline + Nell + Cheree  
 $\frac{1}{15} + \frac{3}{15} + \frac{3}{15} + \frac{3}{15} + \frac{2}{15} = \frac{12}{15}$  or  $\frac{4}{5}$  were eaten

Which of the following does not equal  $\frac{11}{12}$ ?

- $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$  ✓
- $\frac{4}{12} + \frac{5}{12} = \frac{9}{12}$  ✗
- $\frac{5}{12} + \frac{6}{12} = \frac{11}{12}$  ✓
- $\frac{10}{12} + \frac{1}{12} = \frac{11}{12}$  ✓

Write each number in standard form.

(math notebook, page 2)  
nine hundred eighteen thousand, four hundred thirty-one

918,431

sixty-two thousand, three hundred seven

62,307

Possible answers