



Name \_\_\_\_\_

## 5<sup>th</sup> Grade Math Remote Learning Packet

### Week 25



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Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

\_\_\_\_\_  
(Parent Signature)

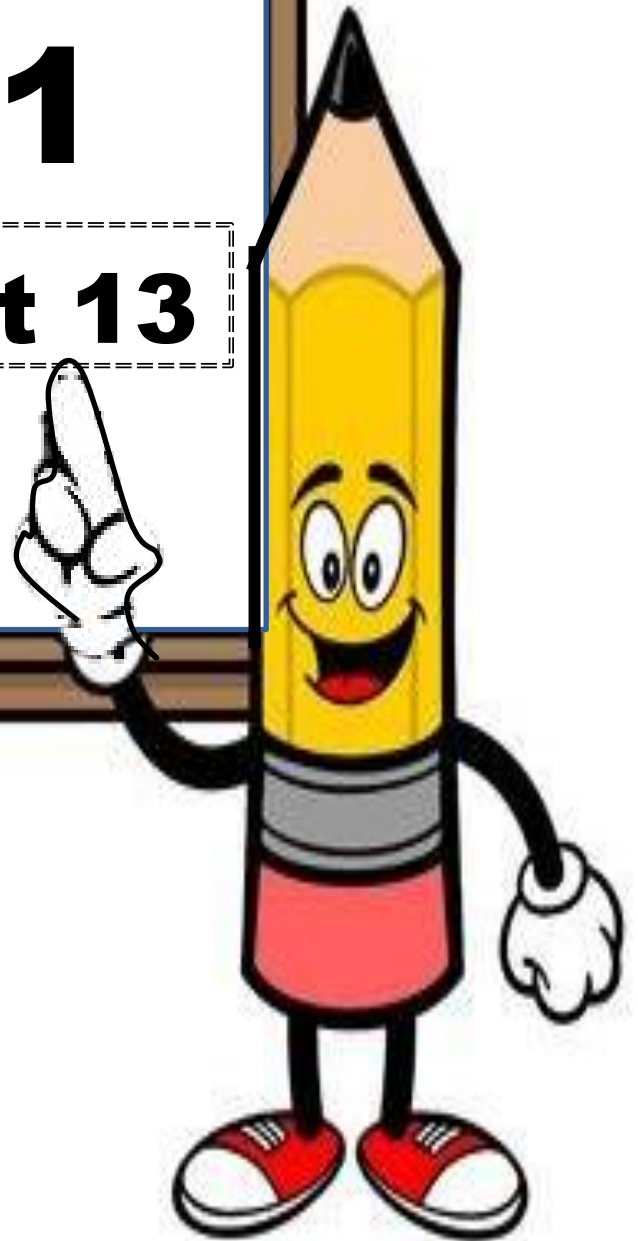
\_\_\_\_\_  
(Date)

Parents please note that all academic packets are also available on our website at [www.brighterchoice.org](http://www.brighterchoice.org) under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.



# Day # 1

**Mod 4 Packet 13**



Name: \_\_\_\_\_ Week 25 Day 1 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

$$\frac{1}{4} \times (3 + 5)$$

15 times as much as 1 fifth of 12

## Input Activity:

### Problem 1

Jan has 4 pans of crispy rice treats. She sends  $\frac{1}{2}$  of the pans to school with her children. How many pans of crispy rice treats does Jan send to school?

Expression: \_\_\_\_\_

Solve:

--	--	--	--

What if she had 2 pans of crispy rice treats and sent  $\frac{1}{2}$  of the pans to school. How many pans of treats did Jan send?

Expression: \_\_\_\_\_

Solve:

--	--

What if she had 1 pan of crispy rice treats and sent  $\frac{1}{2}$  of the pan to school. How many pans of treats did Jan send?

Expression: \_\_\_\_\_

Solve:

What if she had  $\frac{1}{2}$  pan of crispy rice treats and sent  $\frac{1}{2}$  of the pan to school. How many pans of treats did Jan send?

Expression: \_\_\_\_\_

Solve:

## Problem 2

$$\frac{1}{3} \text{ of } \frac{1}{2}$$

Check by multiplying:



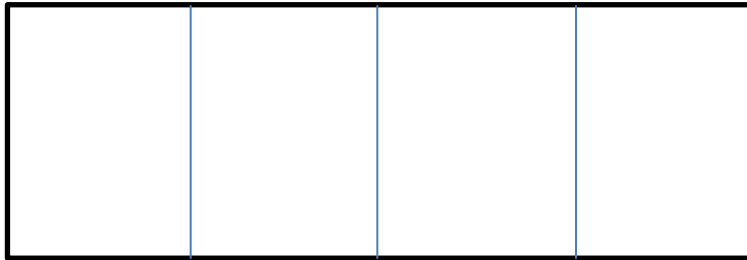
Answer:

1. Let's cut the box into thirds to represent  $\frac{1}{3}$  vertically, up and down. Label it  $\frac{1}{3}$ .
2. Let's cut the box into halves to represent  $\frac{1}{2}$  horizontally, going side to side. Label it  $\frac{1}{2}$ .
3. One box created will be your answer to  $\frac{1}{3} \times \frac{1}{2}$
4. Check your work by multiplying numerators and multiplying denominators.

### Problem 3

$$\frac{1}{3} \text{ of } \frac{1}{4}$$

Check by multiplying:



Answer:

5. Let's cut the box into fourths to represent  $\frac{1}{4}$  vertically, up and down. Label it  $\frac{1}{4}$ .
6. Let's cut the box into thirds to represent  $\frac{1}{3}$  horizontally, going side to side. Label it  $\frac{1}{3}$ .
7. One box created will be your answer to  $\frac{1}{3} \times \frac{1}{4}$
8. Check your work by multiplying numerators and multiplying denominators.

### Problem 4

A sales lot is filled with vehicles for sale.  $\frac{1}{3}$  of the vehicles are pickup trucks.  $\frac{1}{3}$  of the trucks are white. What fraction of all the vehicles are white pickup trucks?

$$\frac{1}{3} \text{ of } \frac{1}{3}$$

Check by multiplying:

--	--	--

Answer:

### Problem 5

$$\frac{1}{2} \text{ of } \frac{1}{4}$$

Check by multiplying:

--	--	--	--

Answer:



## Problem 6

$$\frac{1}{2} \text{ of } \frac{1}{6}$$

Check by multiplying:

--	--	--	--	--	--

Answer:

## Problem 7

$$\frac{1}{5} \text{ of } \frac{1}{2}$$

Check by multiplying:

--	--	--	--	--

Answer:

## Problem Set

1.  $\frac{1}{4}$  of  $\frac{1}{4}$

--	--	--	--

2.  $\frac{1}{2}$  of  $\frac{1}{6}$

--	--	--	--	--	--

## Application Problem

Marie is designing a bedspread for her grandson's new bedroom.  $\frac{1}{3}$  of the bedspread is covered in race cars, and the rest is striped.  $\frac{2}{3}$  of the stripes are red. What fraction of the bedspread is covered in red stripes?

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## Exit Ticket

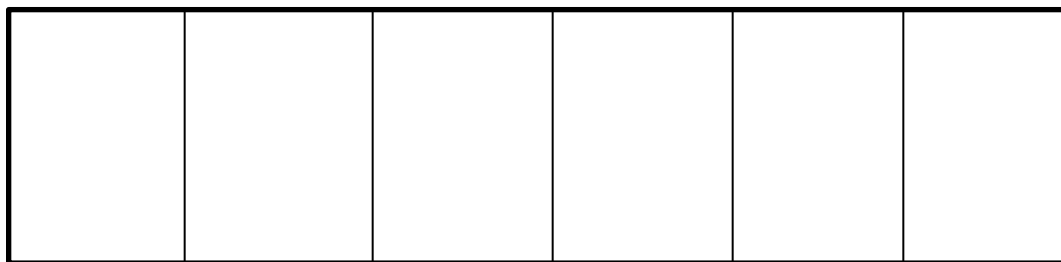
1. Solve. Draw a rectangular fraction model to show your thinking.

$$\frac{1}{3} \text{ of } \frac{1}{3} = \underline{\quad}$$



2. Solve. Draw a rectangular fraction model to show your thinking.

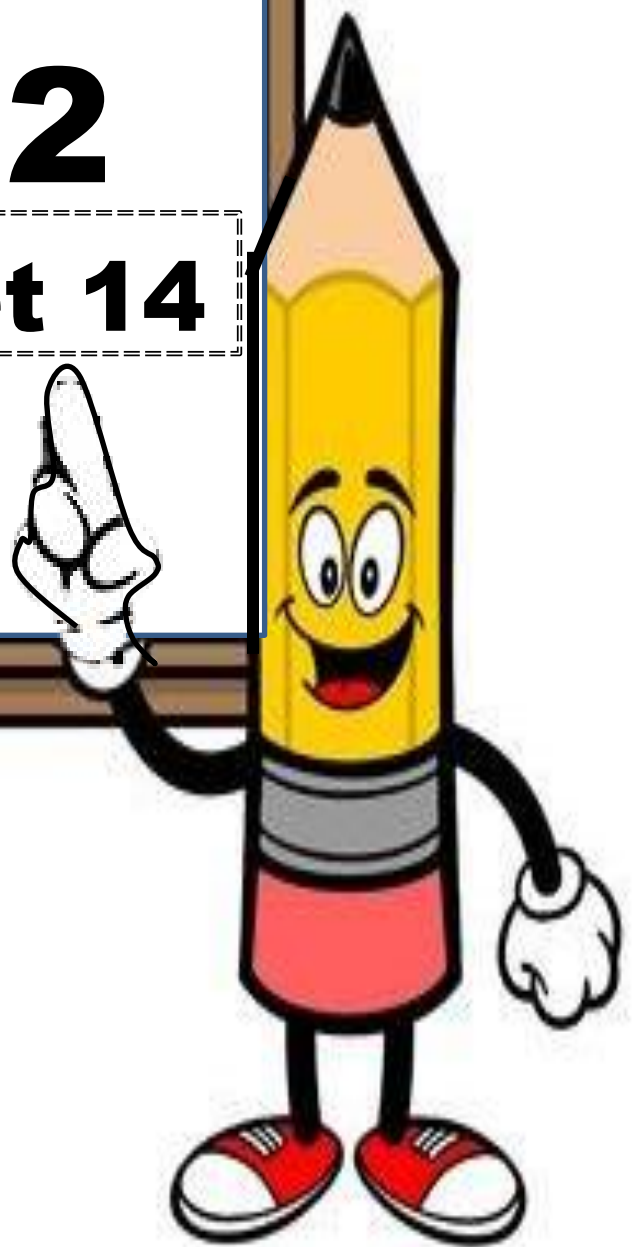
$$\frac{1}{2} \text{ of } \frac{1}{6} = \underline{\quad}$$





# Day # 2

**Mod 4 Packet 14**



Name: \_\_\_\_\_ Week 25 Day 2 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

$$\frac{1}{4} \times \frac{1}{2}$$

--	--	--	--

$$\frac{1}{6} \times \frac{1}{3}$$

--	--	--	--	--	--

## Input Activity:

### Problem 1

Sarah had  $\frac{3}{5}$  pan of crispy rice treats. She sent  $\frac{1}{3}$  of the treats to school. What fraction of the whole pan did she send to school?

$$\frac{3}{5} \text{ of } \frac{1}{3}$$

Check by multiplying:

--	--	--	--	--

Answer:

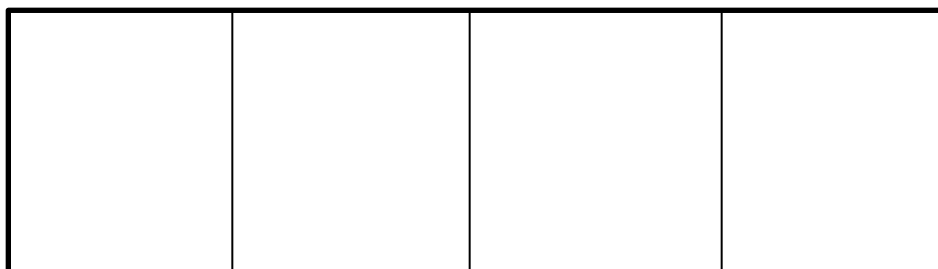
1. Let's cut the box into fifths. Shade in 3 to represent  $\frac{3}{5}$  vertically, up and down.
2. Let's cut the box into thirds to represent  $\frac{1}{3}$  horizontally, going side to side. Shade one to represent  $\frac{1}{3}$ .
3. The shaded boxes created will be your answer to  $\frac{3}{5} \times \frac{1}{3}$
4. Check your work by multiplying numerators and multiplying denominators.

## Problem 2

Sarah had  $\frac{2}{3}$  pan of crispy rice treats. She sent  $\frac{3}{4}$  of the treats to school. What fraction of the whole pan did she send to school?

$$\frac{2}{3} \text{ of } \frac{3}{4}$$

Check by multiplying:



Answer:

1. Let's cut the box into fourths and shade in 3 to represent  $\frac{3}{4}$  vertically, up and down.
2. Let's cut the box into thirds and shade in 2 to represent  $\frac{2}{3}$  horizontally, going side to side.
3. One box created will be your answer to  $\frac{2}{3} \times \frac{3}{4}$
4. Check your work by multiplying numerators and multiplying denominators.

## Reduce First, Then Solving:

### Problem 3

$$\frac{7}{9} \text{ of } \frac{3}{7}$$

Let's solve this problem a different way since it would be too hard to solve it with a tape diagram.

- Can we reduce somewhere? If so, where? Remember we can only reduce numerators to denominators and not numerators to numerators or denominators to denominators.
- After reducing, now multiply across.

### Problem 4

$$\frac{3}{10} \times \frac{5}{9}$$



**Problem 5**

$$\frac{5}{8} \times \frac{4}{15}$$

**Problem 6**

$$\frac{1}{2} \text{ of } \frac{2}{5}$$

**Problem 7**

$$\frac{2}{3} \text{ of } \frac{3}{5}$$

**Problem 8**

$$\frac{3}{4} \text{ of } \frac{4}{5}$$

## Problem Set

Solve. Reduce each fraction before multiplying.

$$\frac{4}{5} \text{ of } \frac{2}{3}$$

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

$$\frac{3}{4} \times \frac{5}{6}$$

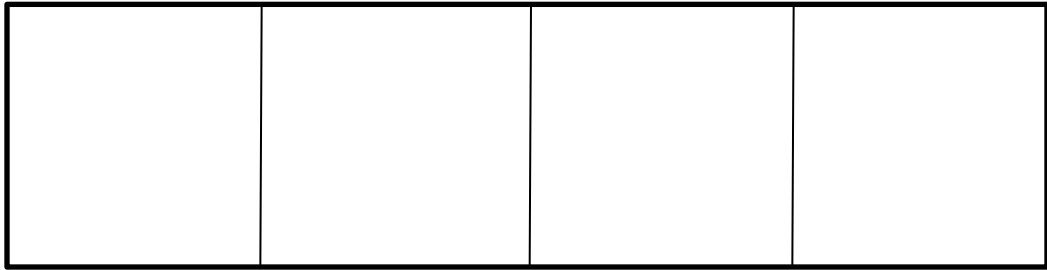
$$\frac{4}{5} \text{ of } \frac{5}{8}$$

## Application Problem:

Solve by drawing a rectangular fraction model and writing a multiplication sentence.

Beth had  $\frac{3}{4}$  box of candy. She ate  $\frac{2}{3}$  of the candy. What fraction of the whole box does she have left?

C



U

B

E

S

Answer: \_\_\_\_\_ of the box

## Exit Ticket

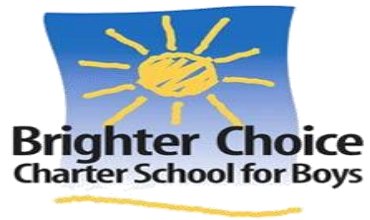
Solve.

1.  $\frac{2}{3}$  of  $\frac{3}{5}$

2.  $\frac{4}{9} \times \frac{3}{8}$

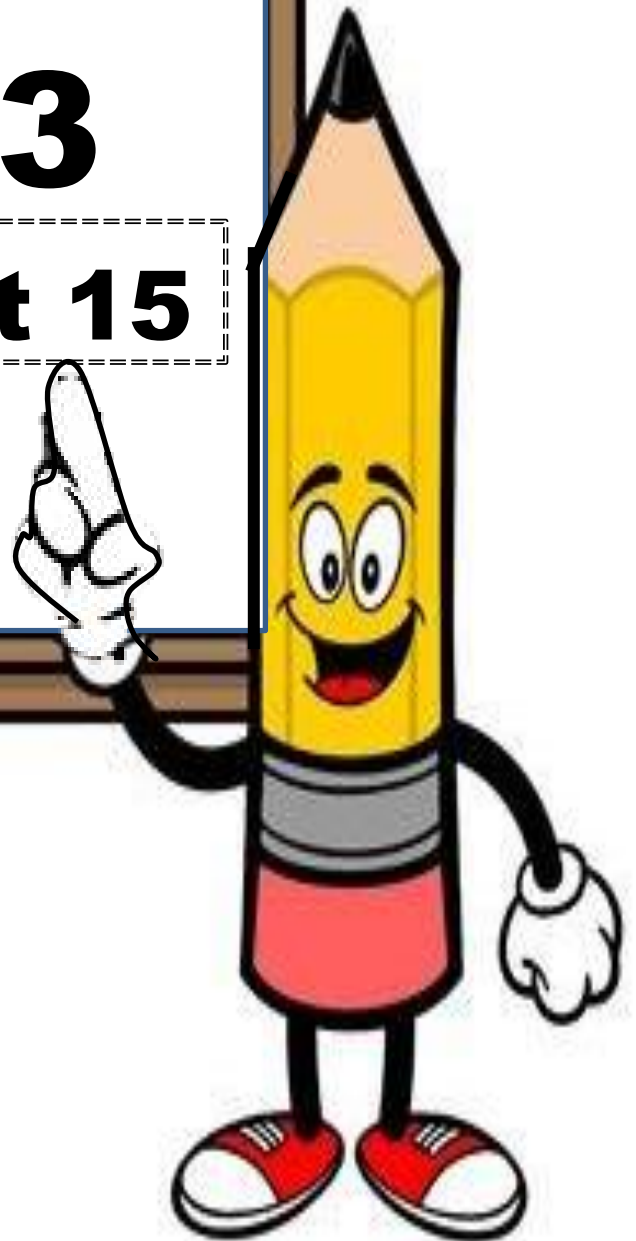
3.  $\frac{3}{4} \times \frac{1}{4}$

4.  $\frac{2}{9}$  of  $\frac{3}{8}$



# Day # 3

**Mod 4 Packet 15**



Name: \_\_\_\_\_ Week 25 Day 3 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Solve. Draw a rectangular fraction model to show your thinking. Then, write a multiplication sentence.

$$\frac{1}{3} \text{ of } \frac{3}{4}$$

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

Reduce each fraction before multiplying.

$$\frac{2}{6} \times \frac{3}{8}$$

$$\frac{5}{10} \text{ of } \frac{5}{15}$$

## Input Activity:

### Problem 1

Mrs. Ocean made 60 cookies for a bake sale. She sold  $\frac{2}{3}$  of them and gave  $\frac{3}{4}$  of the remaining cookies to the students working at the sale. How many cookies did she have left?

Answer: \_\_\_\_\_ cookies



## Problem 2

Jakiem is icing 30 cupcakes. He spreads mint icing on  $\frac{1}{5}$  of the cupcakes and chocolate on  $\frac{1}{2}$  of the remaining cupcakes. The rest will get vanilla icing. How many cupcakes have vanilla icing?

Answer: \_\_\_\_\_ cupcakes have vanilla icing

### **Problem 3**

The Booster Club sells 240 cheeseburgers.  $\frac{1}{4}$  of the cheeseburgers had pickles,  $\frac{1}{2}$  of the remaining burgers had onions, and the rest had tomato. How many cheeseburgers had tomato?

Answer: \_\_\_\_\_ cheeseburgers had tomato

### Problem 4

DeShawn is sorting his rock collection.  $\frac{2}{3}$  of the rocks are metamorphic, and  $\frac{3}{4}$  of the remainder are igneous rocks. If the 3 rocks left over are sedimentary, how many rocks does DeShawn have?

Answer: \_\_\_\_\_ rocks left

### Problem 5

Milan puts  $\frac{1}{4}$  of his lawn-mowing money in savings and uses  $\frac{1}{2}$  of the remaining money to pay back his sister. If he has \$15 left, how much did he have at first?

Answer: \$\_\_\_\_\_ at first

## Problem Set

Riverside Elementary School is holding a school-wide election to choose a school color. Five-eighths of the votes were for blue,  $\frac{5}{9}$  of the remaining votes were for green, and the remaining 48 votes were for red.

- a. How many votes were for blue and how many were for green?

**Application Problem:**

Kendra spent  $\frac{1}{3}$  of her allowance on a book and  $\frac{2}{5}$  on a snack. If she had four dollars remaining after purchasing a book and snack, what was the total amount of her allowance?

Answer: \$ \_\_\_\_\_

### Exit Ticket

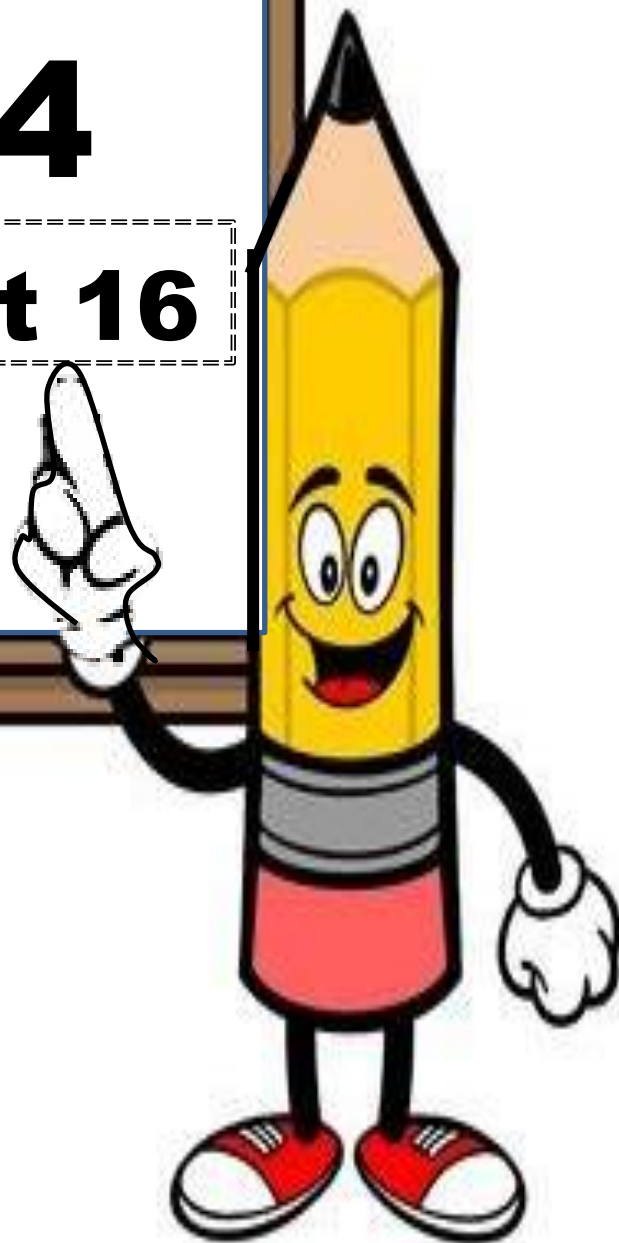
Three-fourths of the boats in the marina are white,  $\frac{4}{7}$  of the remaining boats are blue, and the rest are red. If there are 9 red boats, how many boats are in the marina?

Answer: \_\_\_\_\_ boats



# Day # 4

**Mod 4 Packet 16**





Name: \_\_\_\_\_ Week 25 Day 4 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Rose bought 40 tomatoes. She used  $\frac{2}{5}$  of the tomatoes to make a pizza for a party and  $\frac{1}{2}$  of the remaining tomatoes for sauce for her family. She used the rest of the tomatoes to make a salad. What fraction of the tomatoes did she use to make the salad?

Answer: \_\_\_\_\_ of the tomatoes

**Input Activity:**

**Problem 1**

$$0.1 \times 4$$

Read this multiplication expression using unit form and the word *of*. \_\_\_\_\_

Write this expression as a multiplication sentence using a fraction \_\_\_\_\_

Solve. Do not simplify your product.

Write this as a decimal \_\_\_\_\_

## **Problem 2**

$$0.1 \times 2$$

Read this multiplication expression using unit form and the word *of*. \_\_\_\_\_

Write this expression as a multiplication sentence using a fraction \_\_\_\_\_

Solve. Do not simplify your product.

Write this as a decimal \_\_\_\_\_

### **Problem 3**

$$0.01 \times 6$$

Read this multiplication expression using unit form and the word *of*. \_\_\_\_\_

Write this expression as a multiplication sentence using a fraction \_\_\_\_\_

Solve. Do not simplify your product.

Write this as a decimal \_\_\_\_\_

### Problem 4

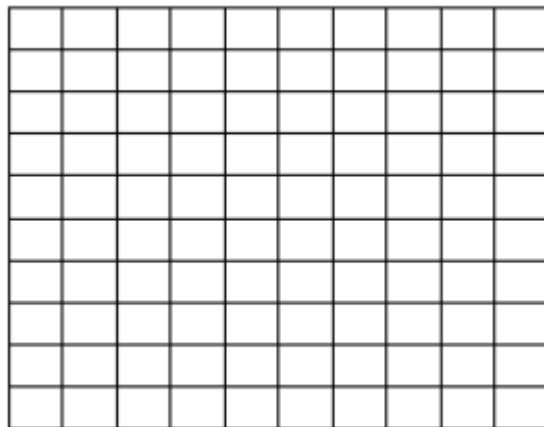
$$0.1 \times 0.1$$

Read this multiplication expression using unit form and the word *of*. \_\_\_\_\_

Write this expression as a multiplication sentence using a fraction \_\_\_\_\_

Solve. Do not simplify your product.

Let's draw it as an area model



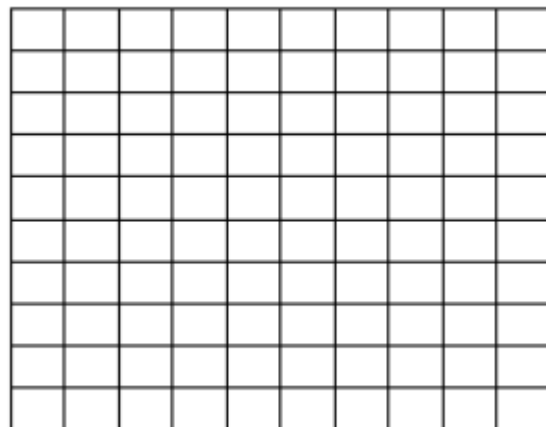
Write your answer as a decimal \_\_\_\_\_

### Problem 5

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

Solve. Do not simplify your product.

Let's draw it as an area model



Write your answer as a decimal \_\_\_\_\_

### **Problem 6**

$$\frac{1}{10} \times 1.4$$

Solve. Do not simplify your product.

Write your answer as a decimal \_\_\_\_\_

### **Problem 7**

$$0.1 \times 0.01$$

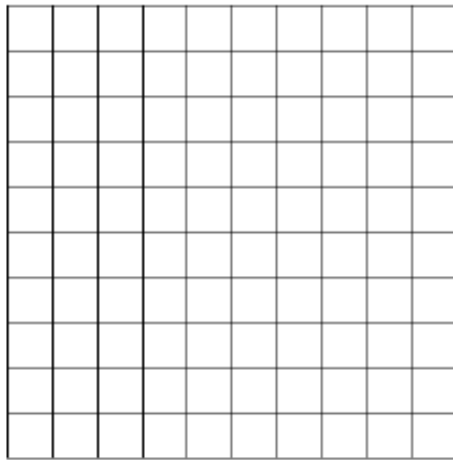
Solve. Do not simplify your product.

Write your answer as a decimal \_\_\_\_\_

## Problem Set

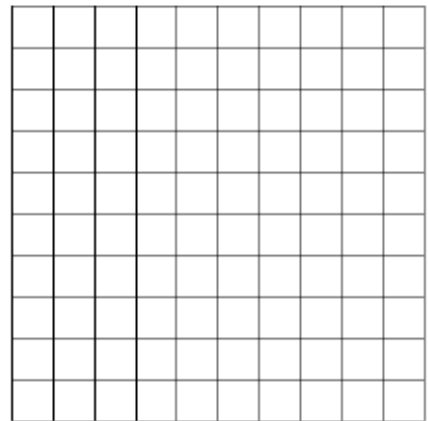
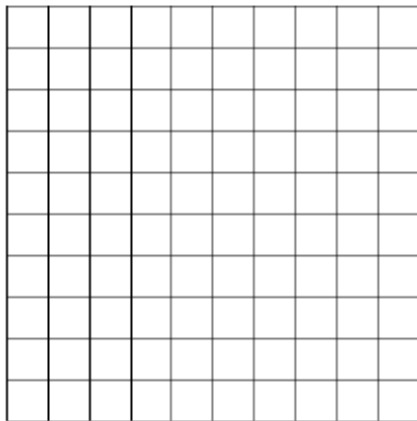
Multiply and model. Rewrite each expression as a multiplication sentence with decimal factors.

$$\frac{4}{10} \times \frac{3}{10}$$



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$$\frac{6}{10} \times 1.7$$





## Application Problem

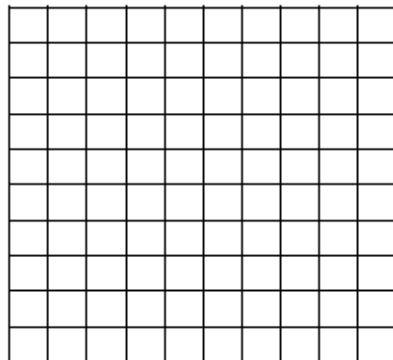
A Boy Scout has a length of rope measuring 0.7 meter.  
He uses 2 tenths of the rope to tie a knot at one end.  
How many meters of rope are in the knot?

Answer: \_\_\_\_\_ meters

## Exit Ticket

Multiply and model. Rewrite the expression as a number sentence with decimal factors.

$$\frac{1}{10} \times 1.2$$

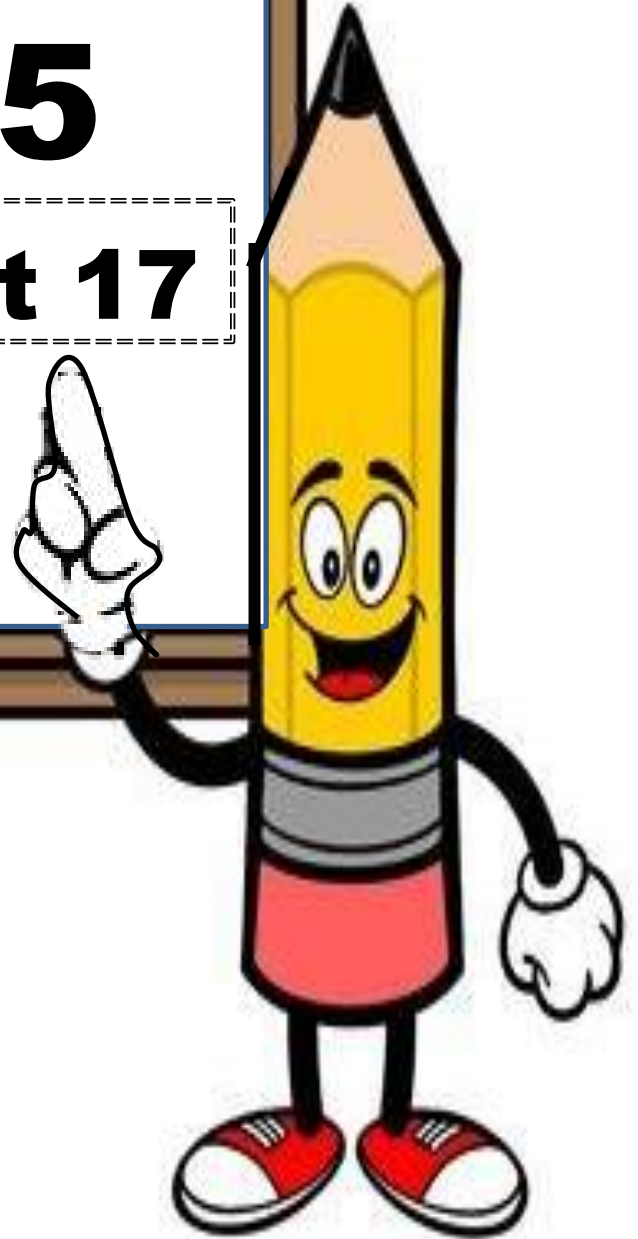




Brighter Choice  
Charter School for Boys

# Day # 5

Mod 4 Packet 17



Name: \_\_\_\_\_ Week 25 Day 5 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Multiply.

$$0.8 \times 0.2 = \underline{\hspace{2cm}}$$

$$0.08 \times 0.2 = \underline{\hspace{2cm}}$$

**Input Activity:**

**Problem 1**

$$3.2 \times 2.1$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

## Problem 2

$$3.2 \times 0.44$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

### **Problem 3**

$$3.2 \times 4.21$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

### **Problem 4**

$$2.6 \times 0.4$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

## Problem 5

$$3.1 \times 1.4$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_



## **Problem 6**

$$4.2 \times 0.12$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

## Problem Set

$$2.3 \times 0.9$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

$$3.3 \times 1.4$$

Rewrite this problem as a fraction multiplication expression: \_\_\_\_\_

Solve.

Write this as a decimal \_\_\_\_\_

### **Application Problem:**

An adult female gorilla is 1.4 meters tall when standing upright. Her daughter is 3 tenths as tall. How much more will the young female gorilla need to grow before she is as tall as her mother?

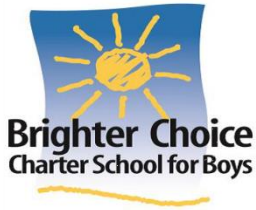
Answer: \_\_\_\_\_ meters

### **Exit Ticket**

Multiply.

a.  $3.2 \times 1.4 =$

b.  $1.6 \times 0.7 =$



Name \_\_\_\_\_

# 5<sup>th</sup> Grade Math Remote Learning Packet

## Week 26



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Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

\_\_\_\_\_  
(Parent Signature)

\_\_\_\_\_  
(Date)

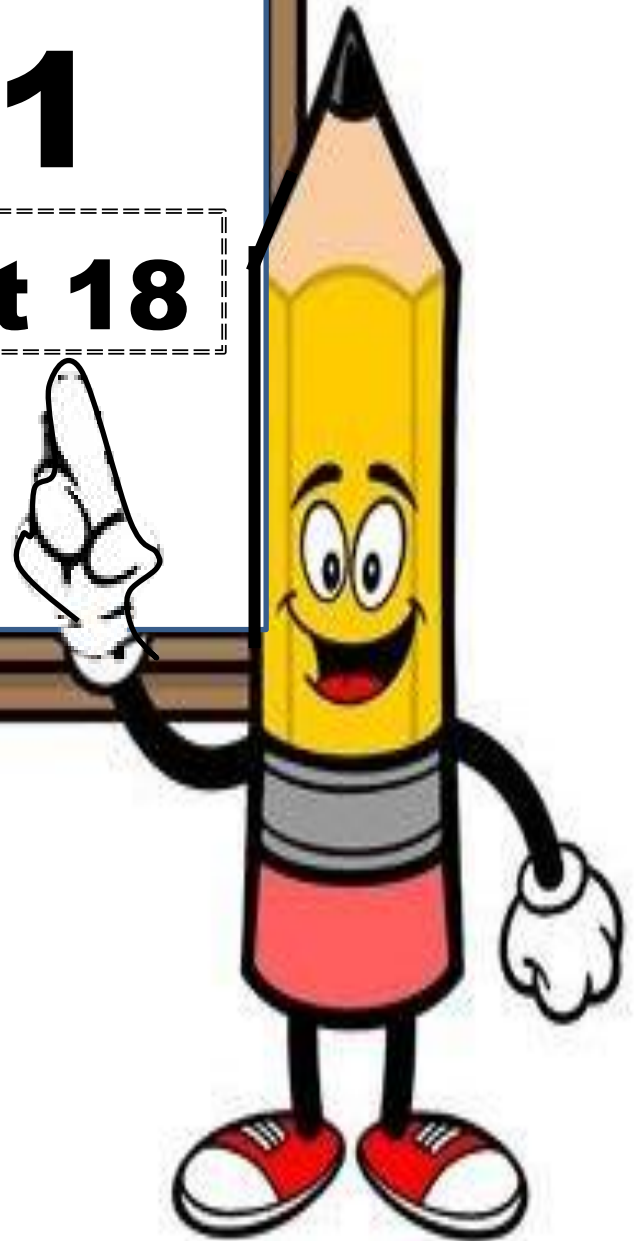
Parents please note that all academic packets are also available on our website at [www.brighterchoice.org](http://www.brighterchoice.org) under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.



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Charter School for Boys

# Day # 1

**Mod 4 Packet 18**



Name: \_\_\_\_\_ Week 26 Day 1 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Colby puts  $\frac{1}{4}$  of his savings into the bank and uses  $\frac{1}{2}$  of the remaining money to buy some candy. If he has \$15 left, how much did he have at first?

He has \_\_\_\_\_ at first.

## Creating Equivalent Fractions Review:

To create \_\_\_\_\_ fractions, you must \_\_\_\_\_ the \_\_\_\_\_ and the \_\_\_\_\_ by the \_\_\_\_\_ number.

## Creating Equivalent Fractions to Decimals:

The three decimal places are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

To change a fraction to a decimal, you need to make an \_\_\_\_\_ fraction that has a \_\_\_\_\_ of \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_.

**Ex:**

$$\frac{3}{5} = \frac{\quad}{10}$$

Re-write as a decimal \_\_\_\_\_

## Problem 1

### Express Fractions as Equivalent Decimals

$$\frac{2}{5}$$

Change this to a decimal. Remember, decimals need to either be tenths, hundredths, or thousandths.

Think...

is 10 a multiple of 4? Y / N

is 100 a multiple of 4? Y / N

is 1,000 a multiple of 4? Y / N

Solve.

Remember...

- If the denominator is a multiple of 10, it is a multiple of 100 and 1,000.
- If the denominator is a multiple of 100 it is a multiple if 1,000.



## Problem 2

$$\frac{3}{4}$$

Change this to a decimal. Remember, decimals need to either be tenths, hundredths, or thousandths.

Think...

is 10 a multiple of 4? Y / N

is 100 a multiple of 4? Y / N

is 1,000 a multiple of 4? Y / N

Solve.

Remember...

- If the denominator is a multiple of 10, it is a multiple of 100 and 1,000.
- If the denominator is a multiple of 100 it is a multiple of 1,000.

Write this as a decimal \_\_\_\_\_

### Problem 3

$$\frac{5}{8}$$

Change this to a decimal. Remember, decimals need to either be tenths, hundredths, or thousandths.

Think...

is 10 a multiple of 8? Y / N

is 100 a multiple of 8? Y / N

is 1,000 a multiple of 8? Y / N

Solve.

Remember...

- If the denominator is a multiple of 10, it is a multiple of 100 and 1,000.
- If the denominator is a multiple of 100 it is a multiple of 1,000.

Write this as a decimal \_\_\_\_\_

### Problem 4

$$\frac{9}{20}$$

Change this to a decimal. Remember, decimals need to either be tenths, hundredths, or thousandths.

Think...

is 10 a multiple of 20? Y / N

is 100 a multiple of 20? Y / N

is 1,000 a multiple of 20? Y / N

Solve.

Remember...

- If the denominator is a multiple of 10, it is a multiple of 100 and 1,000.
- If the denominator is a multiple of 100 it is a multiple of 1,000.

Write this as a decimal \_\_\_\_\_

## Problem 5

$$\frac{6}{25}$$

Change this to a decimal. Remember, decimals need to either be tenths, hundredths, or thousandths.

Think...

is 10 a multiple of 25? Y / N

is 100 a multiple of 25? Y / N

is 1,000 a multiple of 25? Y / N

Solve.

Remember...

- If the denominator is a multiple of 10, it is a multiple of 100 and 1,000.
- If the denominator is a multiple of 100 it is a multiple of 1,000.

Write this as a decimal \_\_\_\_\_

## Problem Set

Express each fraction as an equivalent decimal.

$$\frac{1}{4} \times \frac{25}{25} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \times \frac{25}{25} = \underline{\hspace{2cm}}$$

$$\frac{4}{5} = \underline{\hspace{2cm}}$$

$$\frac{11}{20} = \underline{\hspace{2cm}}$$

### Application Problem:

Hakiem has  $\frac{3}{4}$  of a dollar. He buys a stamp that costs 44 cents. Change both numbers into decimals, and tell how much money Hakiem has after paying for the stamp.

Answer: \$ \_\_\_\_\_

### Exit Ticket

Express the fractions as equivalent decimals.

a.  $\frac{1}{4} =$

b.  $\frac{2}{5} =$

c.  $\frac{3}{25} =$

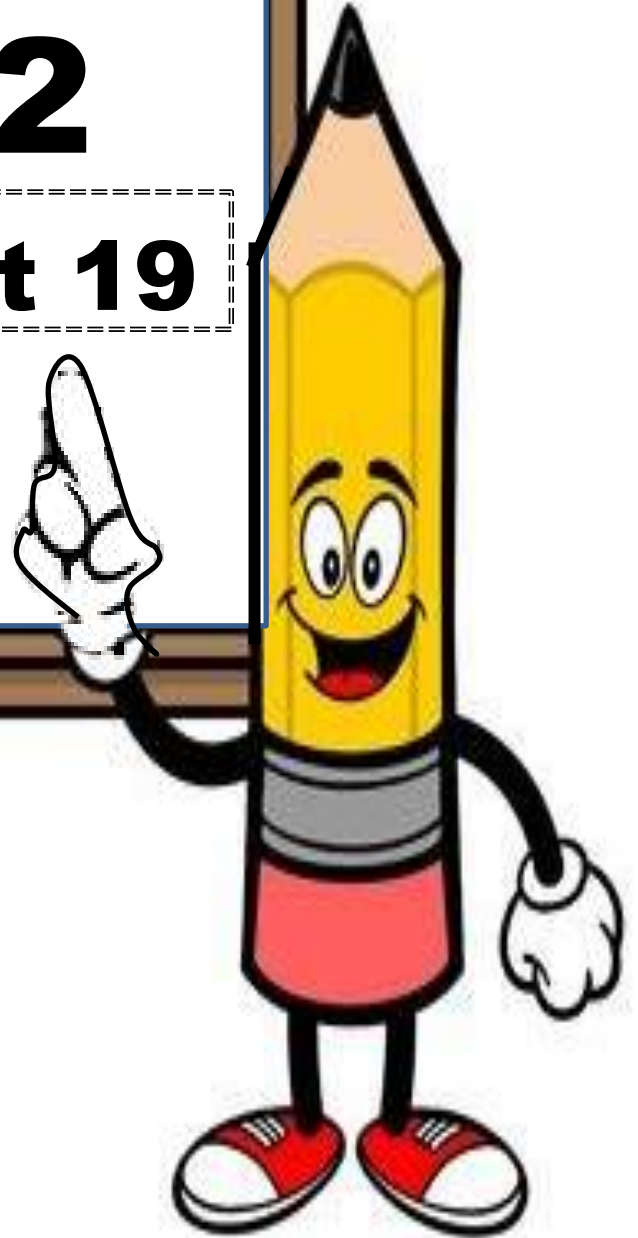
d.  $\frac{5}{20} =$



Brighter Choice  
Charter School for Boys

# Day # 2

**Mod 4 Packet 19**



Name: \_\_\_\_\_ Week 26 Day 2 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Express each fraction as an equivalent decimal.

$$\text{a. } \frac{2}{5} \times \text{---} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Fraction                      Decimal

$$\text{b. } \frac{3}{25} \times \text{---} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Fraction                      Decimal



## Input Activity:

### Steps to dividing fractions using K-C-F

1. Put any \_\_\_\_\_ number over the number \_\_\_\_\_.
2. **K** \_\_\_\_\_ the first fraction. Leave it \_\_\_\_\_.
3. **C** \_\_\_\_\_ the \_\_\_\_\_ symbol to a \_\_\_\_\_ symbol.
4. **F** \_\_\_\_\_ the second fraction (the one you want to divide by) upside down. This is called a \_\_\_\_\_.
5. \_\_\_\_\_
6. \_\_\_\_\_ across.
7. \_\_\_\_\_ whenever \_\_\_\_\_.

### Example:

$$\begin{array}{ccc} \text{K} & \text{C} & \text{F} \\ 4 & \div & \frac{1}{2} \end{array}$$

### Problem 1

K C F

$$8 \div \frac{1}{9}$$

### Problem 2

K C F

$$\frac{1}{7} \div 7$$

### Problem 3

K C F

$$\frac{1}{8} \div 6$$

### Problem 4

K C F

$$2 \div \frac{1}{4}$$

## **Problem 5**

Tien wants to cut  $\frac{1}{4}$  foot lengths from a board that is 5 feet long. How many boards can he cut?

Division Expression \_\_\_\_\_

Solve:

Answer: \_\_\_\_\_ boards

## **Problem 6**

If Melanie pours  $\frac{1}{2}$  liter of water into 4 bottles, putting an equal amount in each, how many liters of water will be in each bottle?

Division Expression \_\_\_\_\_

Solve.

Answer: \_\_\_\_\_ liters of water

### Problem 7

$$\begin{array}{l} \text{K} \quad \text{C} \quad \text{F} \\ 8 \div \frac{1}{3} \end{array}$$

### Problem 8

$$\begin{array}{l} \text{K} \quad \text{C} \quad \text{F} \\ \frac{1}{6} \div 3 \end{array}$$

### Problem 9

$$\begin{array}{l} \text{K} \quad \text{C} \quad \text{F} \\ \frac{1}{2} \div 3 \end{array}$$

### Problem 10

$$\begin{array}{l} \text{K} \quad \text{C} \quad \text{F} \\ 4 \div \frac{1}{5} \end{array}$$

## Problem Set

Solve by using KCF (Keep-Change-Flip). Write your quotient in the blank.

$$\begin{array}{c} \text{K C F} \\ \text{a. } 2 \div \frac{1}{8} = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{c} \text{K C F} \\ \text{b. } \frac{1}{4} \div 3 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{c} \text{K C F} \\ \text{c. } \frac{1}{8} \div 4 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{c} \text{K C F} \\ \text{d. } \frac{1}{9} \div 9 = \underline{\hspace{2cm}} \end{array}$$

## Application Problem:

Mrs. Apple used  $\frac{1}{2}$  gallon of olive oil to make 8 identical batches of salad dressing. How many gallons of olive oil did she use in each batch of salad dressing?

Answer: \_\_\_\_\_ gallons of olive oil

## Exit Ticket

Solve. Use KCF to solve.

a.  $4 \div \frac{1}{2} =$  \_\_\_\_\_

b.  $\frac{1}{8} \div 5 =$  \_\_\_\_\_

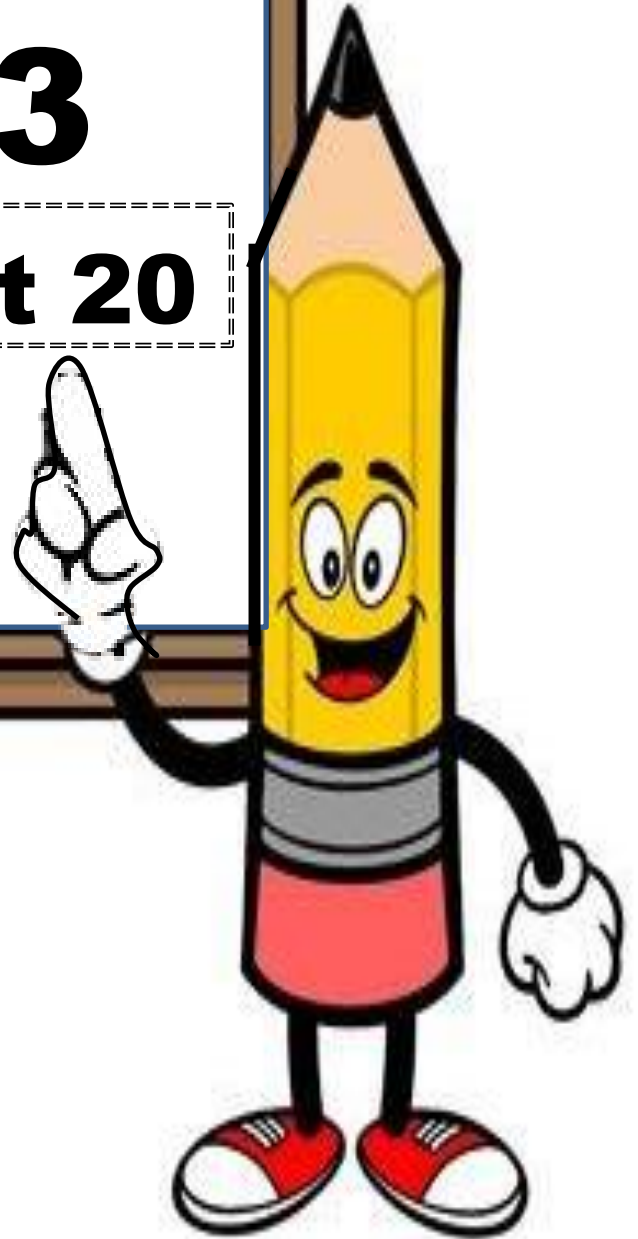
c.  $7 \div \frac{1}{6} =$  \_\_\_\_\_



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# Day # 3

Mod 4 Packet 20



Name: \_\_\_\_\_ Week 26 Day 3 Date: \_\_\_\_\_

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**Do Now**

Divide the fractions by whole numbers using KCF.

a.  $5 \div \frac{1}{3} =$

b.  $\frac{1}{8} \div 7 =$

c.  $\frac{1}{4} \div 3 =$

d.  $4 \div \frac{1}{9} =$



## Input Activity:

### Steps to dividing decimals using K-C-F

1. Put any \_\_\_\_\_ number over the number \_\_\_\_\_.
2. \_\_\_\_\_ any decimal to a \_\_\_\_\_.
3. **K** \_\_\_\_\_ the first fraction. Leave it \_\_\_\_\_.
4. **C** \_\_\_\_\_ the \_\_\_\_\_ symbol to a \_\_\_\_\_ symbol.
5. **F** \_\_\_\_\_ the second fraction to its \_\_\_\_\_.
6. \_\_\_\_\_ across.
7. \_\_\_\_\_ whenever \_\_\_\_\_.

### Example

$$7 \div 0.1$$

### Problem 1

$$7.4 \div 0.1$$

**Problem 2**

$$2 \div 0.2$$

**Problem 3**

$$9.8 \div 0.1$$

**Problem 4**

$$12 \div 0.1$$

**Problem 5**

$$2.4 \div 0.2$$

**Problem 6**

$$7.4 \div 0.01$$

**Problem 7**

$$1.6 \div 0.04$$

**Problem 8**

**$3.5 \div 0.5$**

**Problem 9**

**$0.42 \div 0.07$**

**Problem Set**

Change the expression to fractions then use KCF.

**a.  $12.5 \div 0.01$**

**b.  $31 \div 0.1$**

## Application Problem:

Yung bought \$4.60 worth of bubble gum. Each piece of gum cost \$0.10.  
How many pieces of bubble gum did Yung buy?

Answer: \_\_\_\_\_ pieces of gum

## Exit Ticket

Rewrite the division expression as a fraction and use KCF.

$$3.2 \div 0.8$$

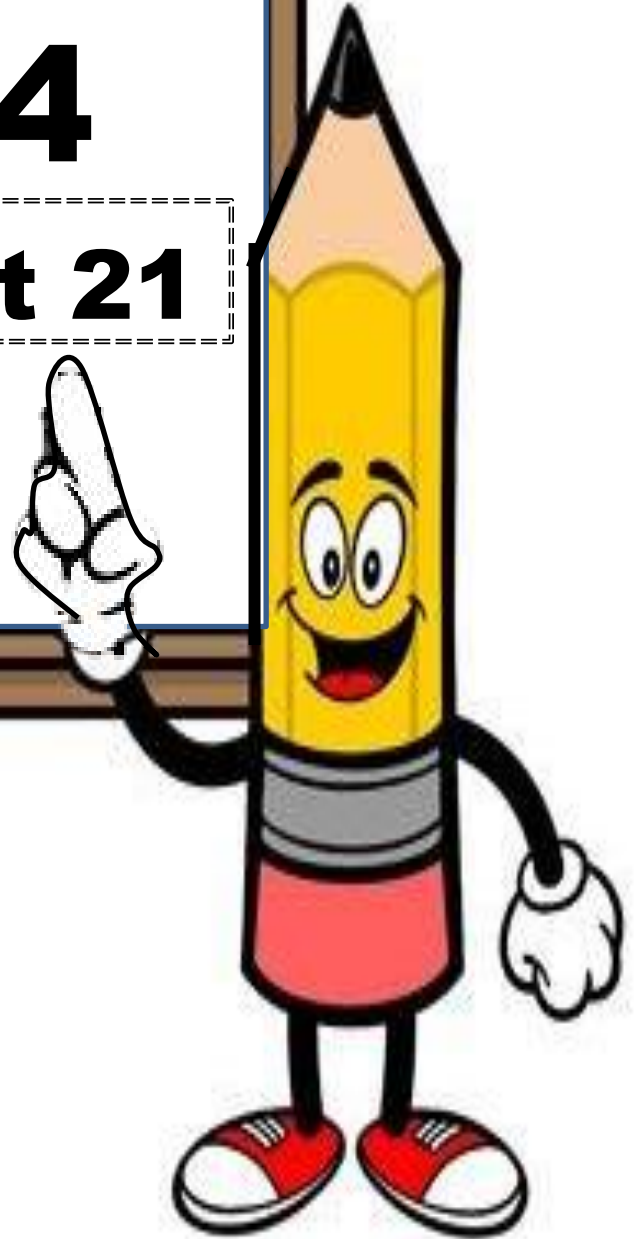
$$7.2 \div 0.9$$



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# Day # 4

**Mod 4 Packet 21**



Name: \_\_\_\_\_ Week 26 Day 4 Date: \_\_\_\_\_

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**Do Now**

Divide the fractions by whole numbers using KCF.

a.  $6 \div \frac{1}{10} =$

b.  $\frac{1}{3} \div 12 =$

c.  $\frac{1}{6} \div 11 =$

d.  $10 \div \frac{1}{2} =$

## Input Activity:

### Steps to dividing decimals using K-C-F

8. Put any whole number over the number one.
9. Change any decimal to a fraction.
10. **K** KEEP the first fraction. Leave it alone.
11. **C** CHANGE the  $\div$  symbol to a  $\times$  symbol.
12. **F** FLIP the second fraction to its reciprocal.
13. Multiply across.
14. Simplify whenever necessary.

### Problem 1

$$8 \div 0.1$$

### Problem 1

$$\frac{55}{10} \div \frac{1}{10}$$

## Problem 2

$$10 \div 0.2$$

## Problem 3

$$\frac{45}{10} \div \frac{2}{10}$$

## Problem 4

$$\frac{35}{100} \div 10$$

## Problem 5

$$21 \div 0.1$$



**Problem 6**

$$15 \div 0.01$$

**Problem 7**

$$12 \div \frac{1}{4}$$

**Problem Set**

Change the expression to fractions then use KCF.

$$1.5 \div .1$$

$$\frac{1}{10} \div 30$$

### Application Problem:

A vial contains 20 mL of medicine. If each dose is  $\frac{1}{8}$  of the vial, how many mL is each dose? Express your answer as a decimal.

Answer: \_\_\_\_\_ mL

### Exit Ticket

Rewrite the division expression as a fraction and use KCF.

$$4.5 \div 9$$

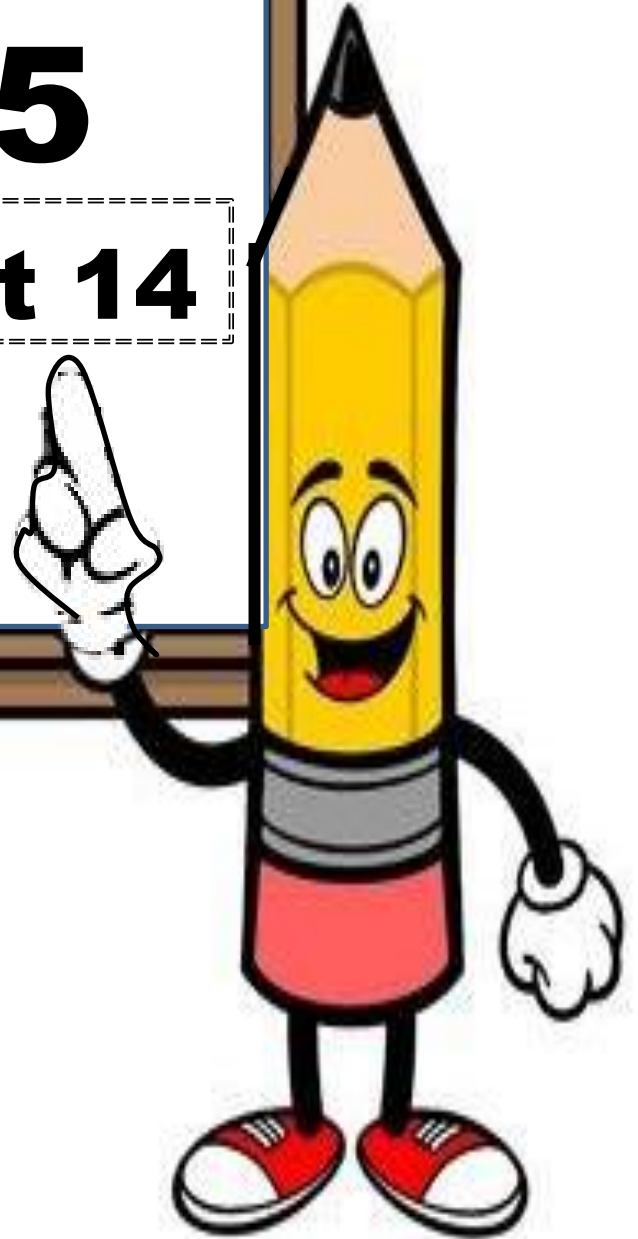
$$64 \div \frac{8}{10}$$



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# Day # 5

Mod 4 Packet 14



Name: \_\_\_\_\_ Week 26 Day 5 Date: \_\_\_\_\_

BCCS-Boys

Stanford MIT

**Do Now**

Rewrite the division expression as a fraction and use KFC.

$$14.4 \div 1.2$$

$$\frac{45}{10} \div \frac{15}{10}$$

**Input Activity:**

**Problem 1**

$$34.8 \div 0.6$$

**Problem 2**

$$7.36 \div 0.08$$

**Problem 3**

$$21.56 \div 0.98$$

**Problem 4**

$$45.5 \div 0.7$$

**Problem 5**

$$4.55 \div 0.7$$

**Problem 6**

$$78.4 \div 0.7$$

**Problem 7**

**$53.2 \div 0.4$**

**Problem 8**

**$1.52 \div 0.8$**

**Problem Set**

Divide

<b><math>7.32 \div 0.06</math></b>	<b><math>9.42 \div 0.03</math></b>	<b><math>39.36 \div 0.96</math></b>
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## Application Problem

The total distance of a race is 18.9 km. If volunteers set up a water station every 0.7 km, including one at the finish line, how many stations will they have?

Answer: \_\_\_\_\_ stations

## Exit Ticket

Solve.

a.  $6.39 \div 0.09$

b.  $82.14 \div 0.6$