Name _____

4th Grade Modified Math Remote Learning Packet

Week 13

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)

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Look up by the name of the channel	→	Melissa Lewis

or

With your cell phone open up the camera and focus on the QR code. It will take you to my YouTube channel!	→	

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Brighter Choice
Charter School for Boys
Day # 1

Name: _____ Week 13 Day 1 Date: _____

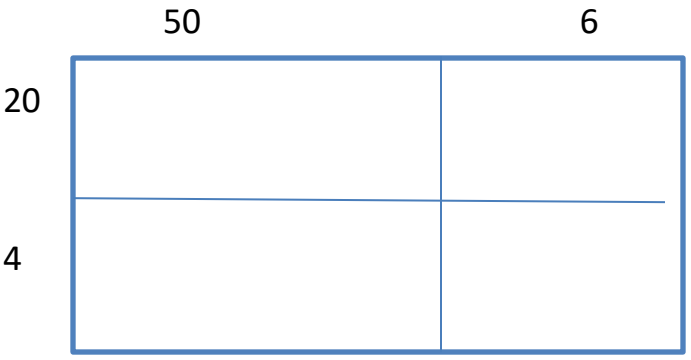
BCCS-B Howard Morehouse Hampton

LEQ: How can I use what I have learned about 2 digit multiplication and apply it to solving a standard algorithm?

Objective: I can use what I have learned about a standard algorithm and apply it to solving a 2 digit by 2 digit problem.

Do Now

Below is an area model that has been filled out for you. I want you to take 2 minutes silent solo to write the equation that the area model is representing.



Equation: ____24 x 56_____

Solve:

Name: _____

Week 13 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

68 x 57= _____

39 x 24= _____

Name: _____ Week 13 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Using the tool kit on the previous page and what we just practiced using the video we are going to solve some questions together and on your own. Let's first go over the steps in the tool kit.

Step 1: Multiply the digit in the _____ place by both digits on the top.

Step 2: Add a _____ to the ones place as a place holder.

Step 3: Multiply the digit in the _____ place by both digits on the top.

Step 4: _____ the two partial products together.

Problem 1: 35 x 26

Name: _____ Week 13 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Your turn!

43 x 67

Problem 2: 24 x 36

Name: _____ Week 13 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Your turn!

37 x 49=

Application Problem

Ms. Young purchased 28 boxes of pencils for prizes. Each box contained 35 pencils. How many total pencils did Ms. Young purchase?

Name: _____ Week 13 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Exit Ticket-google form

Directions: Solve both of the following equations using a standard algorithm below and then submit your answers in your google classroom using the google form posted.

22 x 43

64 x 15

Name: _____ Week 13 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

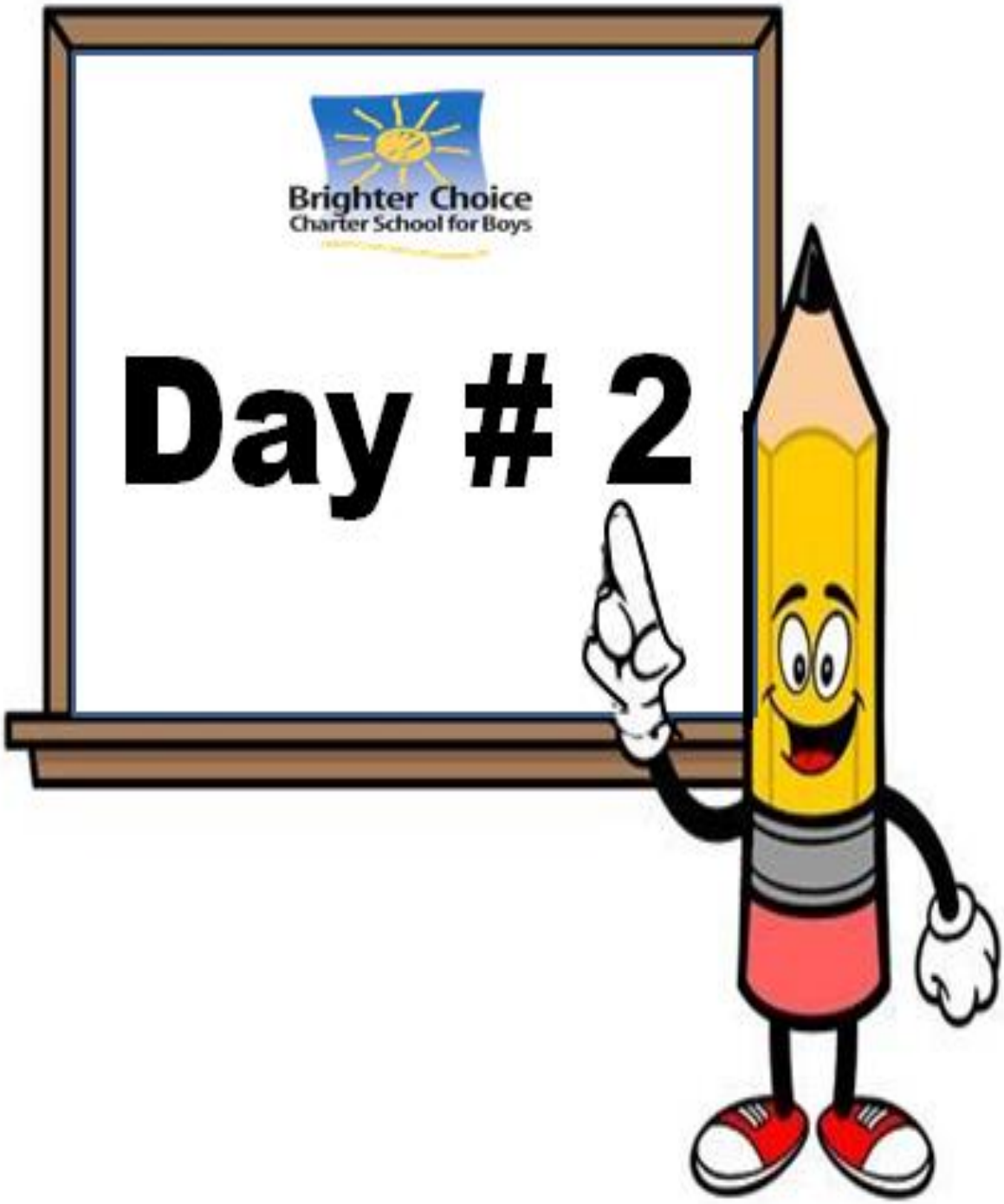
Homework-google form

a.
$$\begin{array}{r} 68 \\ \times\ 23 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 49 \\ \times\ 33 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 16 \\ \times\ 25 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 54 \\ \times\ 71 \\ \hline \end{array}$$


Brighter Choice
Charter School for Boys
Day # 2

Name: _____ Week 13 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I use partial products to help support solving a 2 digit by 2 digit standard algorithm?

Objective: I can use my understanding of partial products to solve a 2 digit by 2 digit standard algorithm.

Do Now

Sandy's garden has 42 plants in each row. She has 2 rows of yellow corn and 20 rows of white corn.

Draw an area model (representing two partial products) to show how much yellow corn and white corn has been planted in the garden.

Today we are going to relate our area model, like the one above, to using a standard algorithm. What is the equation that we solve in the DO NOW above?

Equation: _____

Stack the problem and the partial products to find the total.

Name: _____ Week 13 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Problem 1:29 x 62= _____

Your Turn: 63 x 46= _____

Name: _____ Week 13 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Problem 2: 54 x 23 = _____

Your Turn: 54 x 46= _____

Name: _____ Week 13 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Application Problem

At the pet store there were 23 different tanks of fish. In each tank there were 56 fish. How many total fish does the pet store have?

If the store sold 406 fish in one day, how many fish do they have left?

Exit Ticket: Google form

Directions: Use a standard algorithm to solve the following equations and submit your answers on the google form posted in your math classroom.

72 x 43 35 x 53

Name: _____ Week 13 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Homework-google form

54×52

44×76


Brighter Choice
Charter School for Boys
Day # 3

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I use an array to model the division of a 2 digit number?

Objective: I can use my knowledge of an array and tape diagram to model the division of a 2 digit number

Do Now

Tyler planted potatoes, oats, and corn. He planted 23 acres of potatoes. He planted 3 times as many acres of oats as potatoes, and he planted 4 times as many acres of corn as oats. How many acres did Tyler plant with potatoes, oats, and corn in all?

Definitions

Rows	
Columns	
Dividend	
Divisor	
Quotient	

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Problem 1:

There are 12 students in PE class separated into 4 equal teams. How many students are on each team?

Your Turn

There are 15 oranges at the grocery store separated equally into 3 baskets. How many oranges are there in each basket?

Problem 2:

There are 13 students in PE class separated into 4 equal teams. How many students are on each team?

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Your Turn

There are 16 oranges at the grocery store separated equally into 3 baskets. How many oranges are there in each basket?

Problem 3:

Kristy bought 13 roses. If she puts 6 roses in each vase, how many vases will she use? Will there be any roses left over?

Your Turn

Sam had 17 baseball cards that he wanted to organize into an album. He could put 4 cards on a page. How many total pages did he use? Were there any cards left over?

Sam used _____ pages in his album and there was _____ card left over.

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

CFU

Here are 2 more problems to practice on your own:

1. There are 19 identical socks. How many pairs of socks are there? Will there be any socks without a match? If so, how many?

2. If it takes 8 inches of ribbon to make a bow, how many bows can be made from 3 feet of ribbon (1 foot = 12 inches)? Will any ribbon be left over? If so, how much?

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

Exit Ticket: Ed light

Fifty-three students are going on a field trip. The students are divided into groups of 6 students. How many groups of 6 students will there be? If the remaining students form a smaller group, and one chaperone is assigned to every group, how many total chaperones are needed?

Name: _____ Week 13 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

Homework: Edlight

1. Linda makes booklets using 2 sheets of paper. She has 17 sheets of paper. How many of these booklets can she make? Will she have any extra paper? How many sheets?

3. Linda uses thread to sew the booklets together. She cuts 6 inches of thread for each booklet. How many booklets can she stitch with 50 inches of thread? Will she have any unused thread after stitching up the booklets? If so, how much?


Brighter Choice
Charter School for Boys
Day # 4

Name: _____ Week 13 Day 4 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I use an area model to support the division of 2 digit numbers?

Objective; I can use an area model to help divide 2 digit by 1 digit divisors.

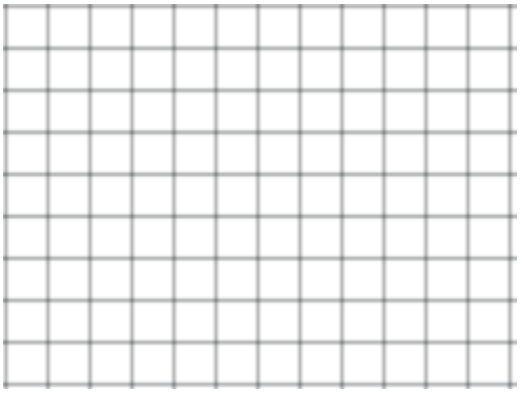
Do Now

Chandra printed 38 photos to put into her scrapbook. If she can fit 4 photos on each page, how many pages will she use for her photos?

Will there be any photos left over?

She will use _____ pages for her photos and there will be _____ left over.

Problem 1: 10 divided by 2

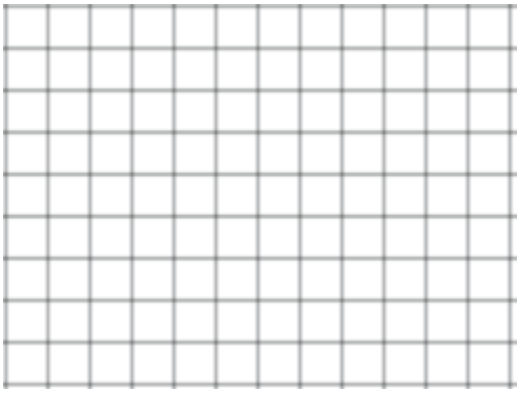


Name: _____ Week 13 Day 4 Date: _____

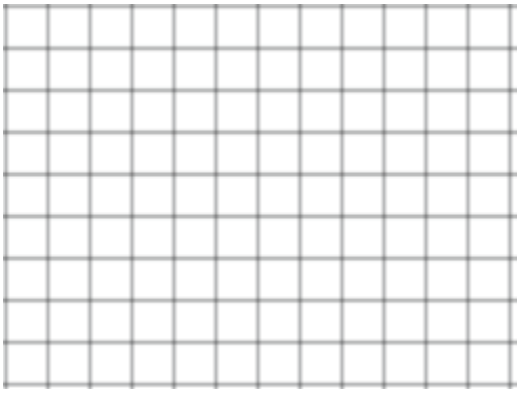
BCCS-B Howard Morehouse Hampton

Input

Now let's try: 11 divided by 2



Your Turn: 16 ÷ 3 ARRAY



Problem 2: 38 ÷ 4

Array Area Model

Name: _____ Week 13 Day 4 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Your Turn: 23 ÷ 4= _____

Array Area Model

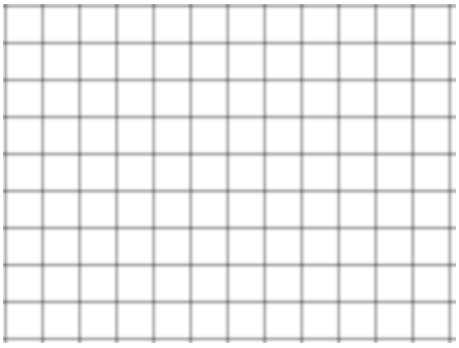
CFU : Here are a couple more to try on your own:

1. 18 ÷ 6 Array

Quotient = _____

Remainder = _____

Draw an area model on the grid paper provided:



Name: _____ Week 13 Day 4 Date: _____

BCCS-B Howard Morehouse Hampton

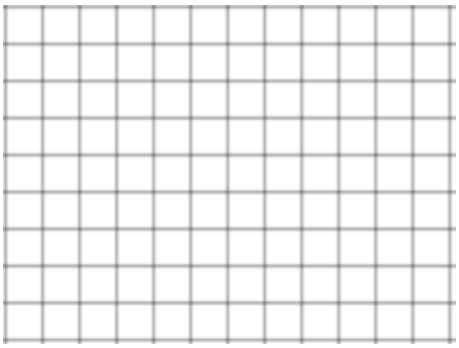
CFU

2. 19 ÷ 6 Array

Quotient = _____

Remainder = _____

Draw an area model on the grid paper provided.



Application Problem

There were 17 fruit snack in a box. Sam wanted to share them equally among 4 friends. How many fruit snacks did each friend get? How many did Sam have left over?

Name: _____ Week 13 Day 4 Date: _____

BCCS-B Howard Morehouse Hampton

Exit ticket-ed light

Solve using an array and area model.

1. 27 ÷ 5

Array Area Model

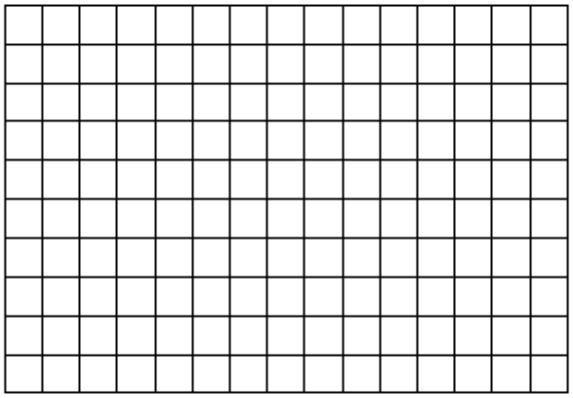
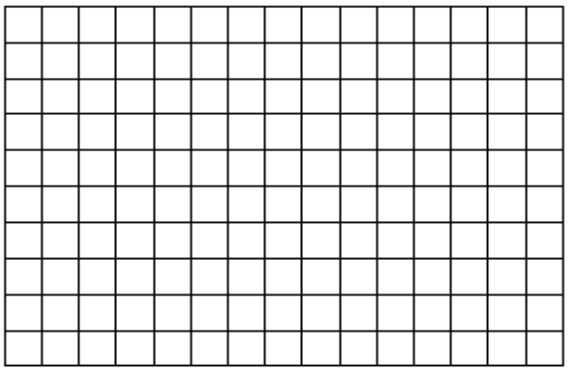
2. 32 ÷ 6

Array Area Model

Name: _____ Week 13 Day 4 Date: _____

BCCS-B Howard Morehouse Hampton

Homework-ed light

Show division using an array.	Show division using an area model.
1. 24 ÷ 4 Quotient = _____ Remainder = _____	 Can you show 24 ÷ 4 with one rectangle? _____
2. 25 ÷ 4 Quotient = _____ Remainder = _____	 Can you show 25 ÷ 4 with one rectangle? _____ Explain how you showed the remainder:


Brighter Choice
Charter School for Boys
Day # 5

Name: _____ Week 13 Day 5 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I prove my understanding of division?

Objective; I can prove my understanding of division by scoring an 80% or better on my quiz.

Do Now

44 ÷ 7

Draw an array model to show the division of the problem above.

Create an area model to also represent the division of the problem above.

Input

Multiplication Review

34 x 51=_____ 27 x 38=_____

Name: _____ Week 13 Day 5 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Division Review

27 ÷ 2= _____

Array Area Model

38 ÷ 3= _____

Array Area Model

31 ÷ 3= _____

Array Area Model

** NO HOMEWORK AND NO EXIT TICKET TODAY**

Name _____

4th Grade Math Remote Learning Packet

Week 14

Dear Educator,

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_____ _____

(Parent Signature) (Date)

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Brighter Choice
Charter School for Boys
Day # 1

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can a place value chart help model and solve a 2 digit division problem?

Objective: I can Understand and solve two-digit dividend division problems with a remainder in the ones place by using number disks.

Do Now

Division Fluency Practice:

6 ÷ 2= _____, 20 ÷ 5=_____, 16 ÷ 4=_____, 18 ÷ 3=_____, 15 ÷ 2= _____, 18 ÷ 5= _____, 11 ÷ 3= _____, 13 ÷ 4= _____, and 33 ÷ 4=_____.

Group Counting:

- Twos to 20
- Threes to 30
- Fours to 40
- Fives to 50

Input

Question from video:

47 divided by 3

Problem 1: 6 ones ÷ 3

6 ÷ 3 = _____

Tens	ones

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Input

3 tens and 6 ones divided by 3

_____ divided by 3

36 ÷ 3 = _____

Tens	ones

Your Turn

8 ÷ 2= _____

Tens	ones

18 ÷ 2= _____

Tens	ones

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Input

Problem 2

4 tens 5 ones ÷ 4

_____ ÷ 4= _____

Tens	ones

Your Turn:

6 tens 8 ones ÷ 3

_____ ÷ 3= _____

Tens	ones

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

CFU

Try a few more on your own:

27 ÷ 2

Tens	Ones

$2\overline{)27}$

Check Your Work

quotient = _____

remainder = _____

38 ÷ 3

Tens	Ones

$3\overline{)38}$

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Application Problem

Frank bought 43 lollipops and wanted to share them equally among his 3 friends. How many lollipops will each of his friends get? Will there be any left over for Frank?

Exit Ticket-google form

5 ÷ 3

Tens	Ones

65 ÷ 3

Tens	Ones

Name: _____ Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

Homework- google form

67 ÷ 3

Tens	Ones

$3\overline{)67}$

quotient = _____

remainder = _____

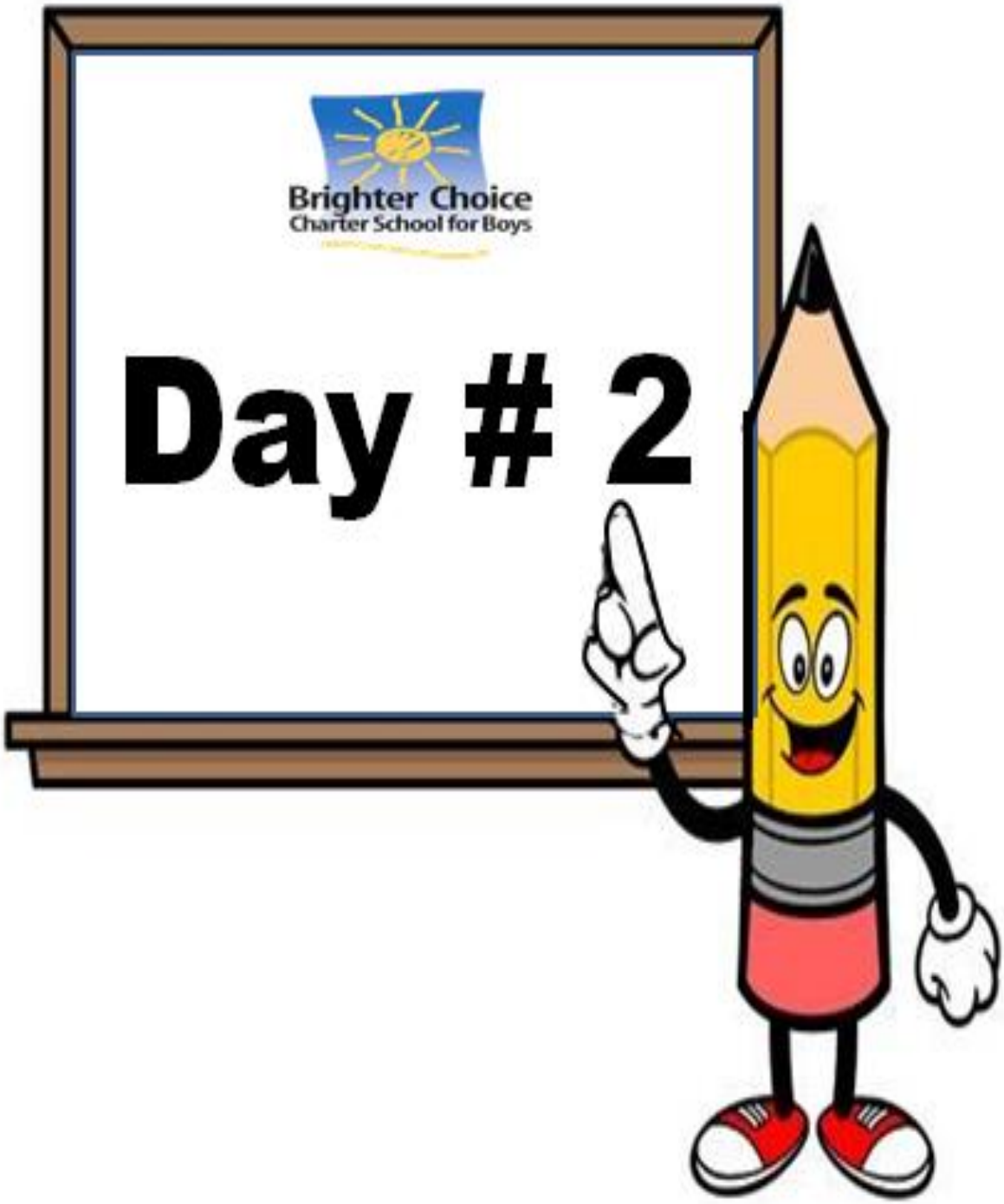
85 ÷ 2

Tens	Ones

$2\overline{)85}$

quotient = _____

remainder = _____


Brighter Choice
Charter School for Boys
Day # 2

Name: _____ Week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can a divide a number that requires decomposition in the tens place?

Objective: I can Represent and solve division problems requiring decomposing a remainder in the tens.

Do Now

Audrey and her sister found 9 dimes and 8 pennies. If they share the money equally, how much money will each sister get?

Input

Problem 1: Divide two-digit numbers by one-digit numbers using place value disks, regrouping in the tens.

3 ones ÷ 2

Tens	Ones

Name: _____ Week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Input

3 tens ÷ 2

Tens	Ones

Your Turn

4 ones ÷ 3

Tens	Ones

4 tens 2 ones ÷ 3

Tens	Ones

Problem 2

8 tens 4 ones ÷ 3

_____ ÷ 3= _____

Tens	Ones

Name: _____ Week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

CFU

Try a few more on your own:

75 ÷ 3

Tens	Ones

$3\overline{)75}$

quotient = _____

remainder = _____

92 ÷ 4

Tens	Ones

$4\overline{)92}$

quotient = _____

remainder = _____

Name: _____ Week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Applcation Problem

Greg read the same number of pages every night for 4 nights in a row. If he read a total of 52 pages, how many pages did he read each night?

Exit Ticket-google form

5 ÷ 4

Ones

$4\overline{)5}$

56 ÷ 4

Tens	Ones

$4\overline{)56}$

Name: _____ Week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

Homework-google form

73 ÷ 2

Tens	Ones

$2\overline{)73}$

62 ÷ 4

Tens	Ones

$4\overline{)62}$

84 ÷ 3

Tens	Ones

$3\overline{)84}$


Brighter Choice
Charter School for Boys
Day # 3

Name: _____ Week 14 Day 3 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I use what I know to prove my understanding of skills that I have already been taught?

Objective: I can prove my understanding of ordering numbers and multiplying mulitples of 10 by engaging in a fun holiday math activity.

Do Now

92 ÷ 4

Tens	Ones

$4\overline{)92}$

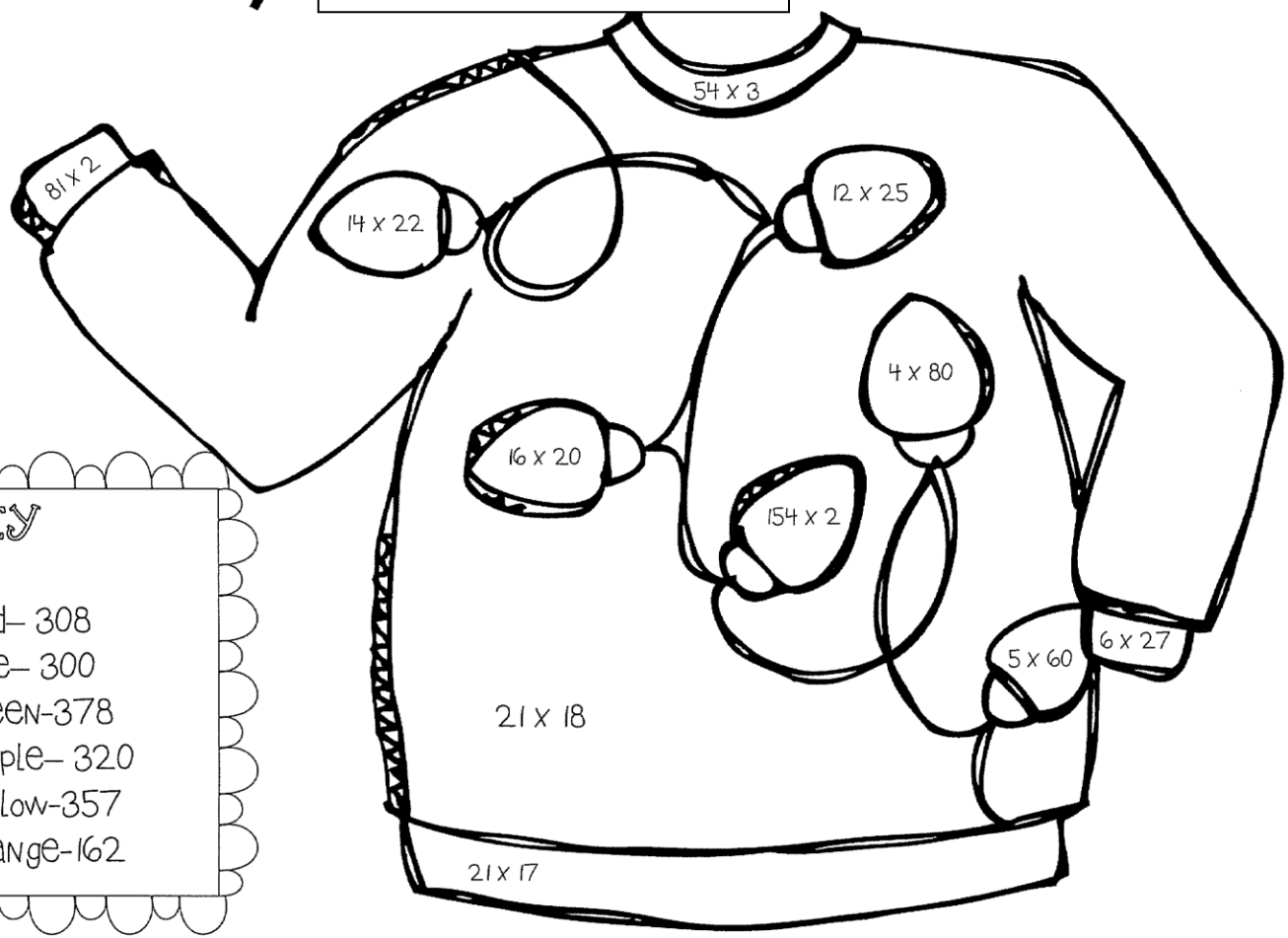
quotient = _____

remainder = _____

Check Your Work

Name:_____

Tacky HOLIDAY Sweater



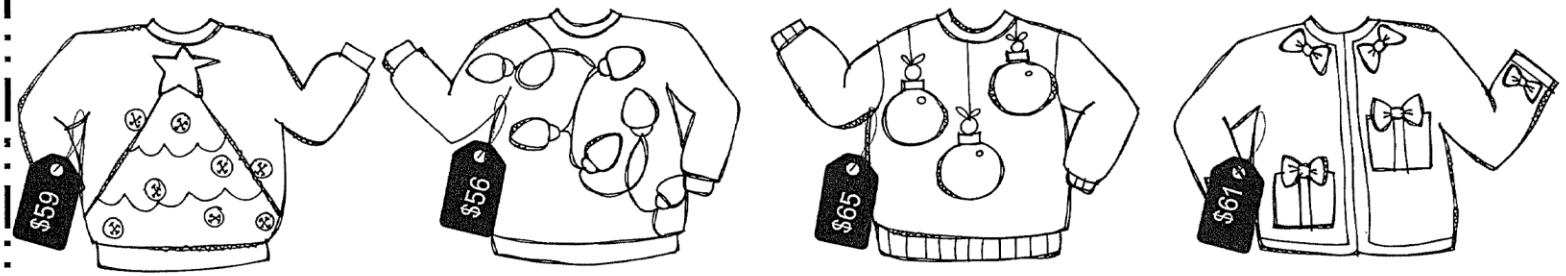
KEY

Red– 308
Blue– 300
Green-378
Purple– 320
Yellow-357
Orange-162

Name:_____

Tacky HOLIDAY Sweater

Directions: First, color the sweaters. Then, cut and paste the sweaters in order from least expensive to most expensive. .



Brighter Choice
Charter School for Boys

Day # 4

Winter Break

Name: _____ Winter Break Week 14 Day 1 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I prove my understanding of rounding?

Objective: I can prove my understanding of roundin numbers by correctl solving the word problems and equations given to me for review.

Bebe has 125 toys, 31 video games, and 28 stuffed animals. She receives 8 more toys, 3 more video games and 7 more stuffed animals on her birthday. Rounding to the nearest ten, write an equation to estimate the number of toys, video games, and stuffed animals Bebe has now.

_____

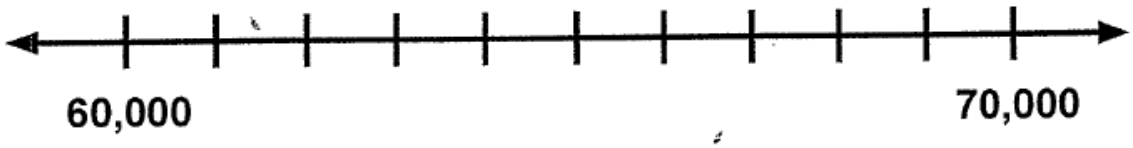
4.NBT.A.3

Jacki has 134 pieces of candy. Jordan has 67 pieces of candy. Estimating to the nearest hundred, approximately how many pieces of candy do they have altogether?

_____

4.NBT.A.3

Use the number line to explain why 67,400 rounded to the nearest ten-thousand is 70,000.



4.NBT.A.3

Brighter Choice
Charter School for Boys

Day # 5

Winter Break

Name: _____ Winter Break week 14 Day 2 Date: _____

BCCS-B Howard Morehouse Hampton

LEQ: How can I prove my understanding of adding with regrouping.

Objective: I can prove my understanding of adding with regrouping by correctly solving equationst hat require regrouping and be able to identify when they do and do not regrouping.

347 + 292	899 + 321	1,293 + 348

Quintin is solving the equation 4,290 + 3,839 using a standard algorithm. Will he need to regroup? Explain your thinking on the lines below and then solve.

_____

_____

_____

Name _____

4th Grade Math Remote Learning Packet

Week 15

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_____ _____

(Parent Signature) (Date)

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Brighter Choice
Charter School for Boys
Day # 1
Winter Break

Justin plays 45 basketball games each season. How many basketball games will he play in 12 seasons?

A. 57 **B.** 540 **C.** 460 **D.** 135

4.NBT.B.5

Mariam uses 27 beads for each necklace she creates. How many beads does she need for 18 necklaces?

A. 45 **B.** 1,926 **C.** 243 **D.** 486

4.NBT.B.5

There are 28 students in each of the 11 fourth grade classes. Which equation could be used to find the total number of students in fourth grade?

A. $(30 \times 11) - 2 =$ _____ **B.** $(28 \times 10) + 1 =$ _____

C. $(30 \times 11) - 22 =$ _____ **D.** $(28 \times 20) - 9 =$ _____

4.NBT.B.5

A football team plays 15 games in a season. In each game, they score between 18 and 35 points.

Which number could represent the total number of points the team scores in a season?

A. 345 **B.** 250 **C.** 545 **D.** 195

4.NBT.B.5


Brighter Choice
Charter School for Boys
Day # 2
Winter Break

Roseanne's birds eat between 12 and 18 ounces of food each day. Which number represents how many ounces of food the birds could eat in two weeks?

A. 154 **B.** 225 **C.** 260 **D.** 100

4.NBT.B.5

There are 2,150 students at Redwood Middle School. Half of the students buy lunch. Lunch costs $2. How much do the students at the school spend on lunch?

4.NBT.B.5

What is the value of this expression?

$$78 \times 49$$

There are 90 people going to a museum. One-third of the people are adults. The cost of an adult's ticket is $18, and the cost of child's ticket is $10. How much will this group of people spend on museum tickets?

4.NBT.B.5


Brighter Choice
Charter School for Boys
Day # 3
Winter Break

Two hundred nineteen people are volunteering at the homeless shelter. There are 9 people on each team of volunteers. How many complete teams are there?

4.NBT.B.6

An apartment building has 892 residents. There are 4 people living in each unit. How many units are in the apartment building?

4.NBT.B.6

Timothy's baseball team raises $12,267 selling towels and baseball bats. Each towel is sold for $6 and each baseball bat is sold for $9. They sell 1,482 towels. How many baseball bats does the team sell?

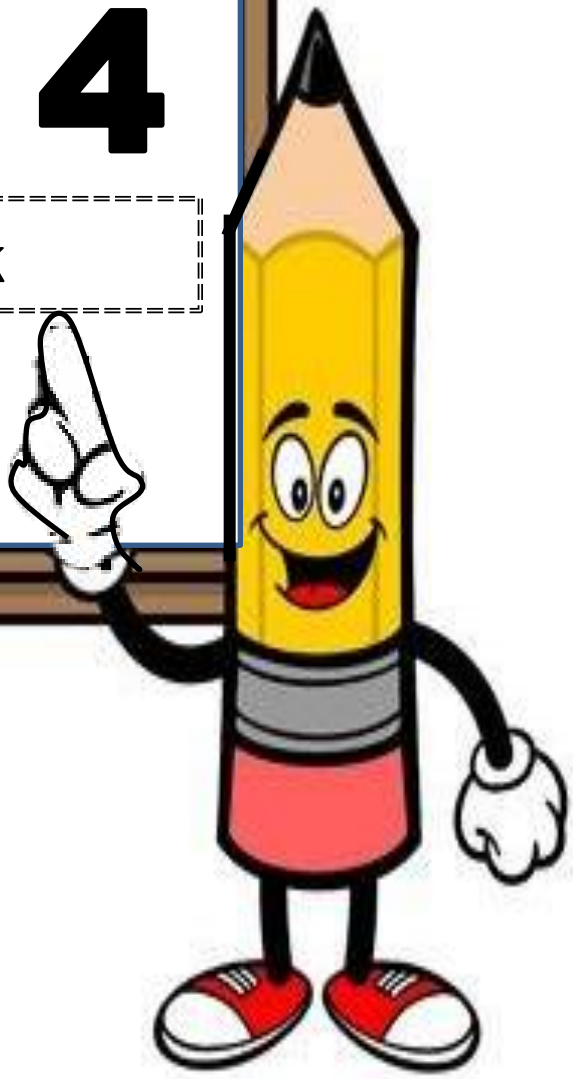
4.NBT.B.6

Mr. Welsh collects $1,290 from ticket sales for the school play. Each ticket costs $6. How would you determine the number of tickets sold?

Brighter Choice
Charter School for Boys

Day # 4

Winter Break



This table shows the populations of 5 different countries.

Country	Population
Austria	8,735,453
Sierra Leone	7,557,212
Gabon	2,025,137
Bahrain	1,492,584
Grenada	107,825

What is the difference, in written form, in population between the most populated country and the least populated country?

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(4.NBT.A.2)

The population of El Salvador is 6,377,853. What is this number expressed in written form?

_____

(4.NBT.A.2)

Solve each of the following using a standard algorithm:

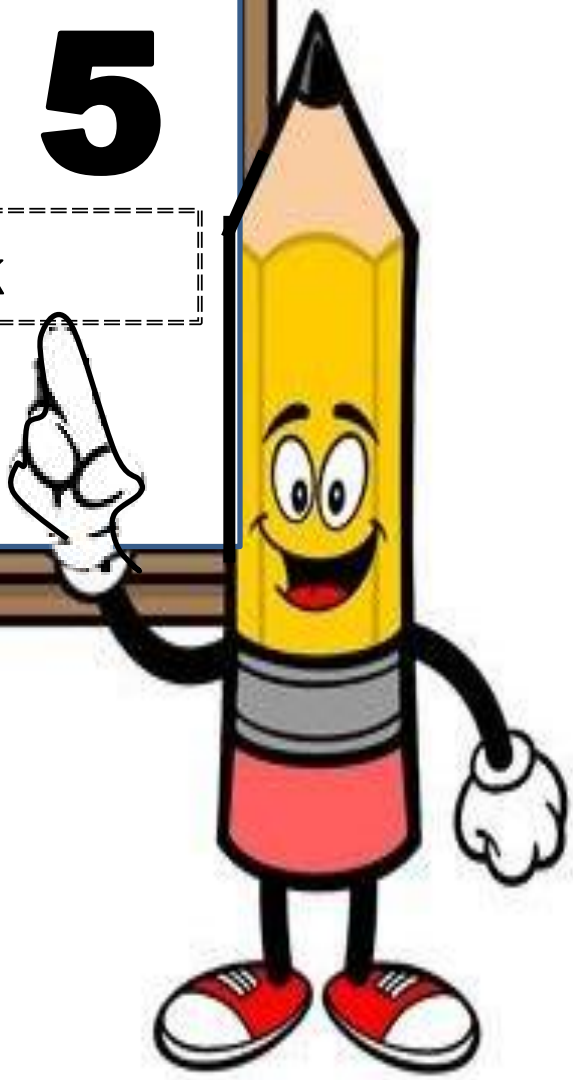
23 x 14

67 x 21

Brighter Choice
Charter School for Boys

Day # 5

Winter Break



Solve the following using two partial products.

$$\begin{array}{r} 52 \\ \times\ 34 \\ \hline \\ \hline \\ \hline \end{array}$$

_____ × _____

_____ × _____

Solve using the multiplication algorithm.

$$\begin{array}{r} 86 \\ \times\ 56 \\ \hline \\ \hline \\ \hline \end{array}$$

_____ × _____

_____ × _____

6. 54×52

7. 44×76