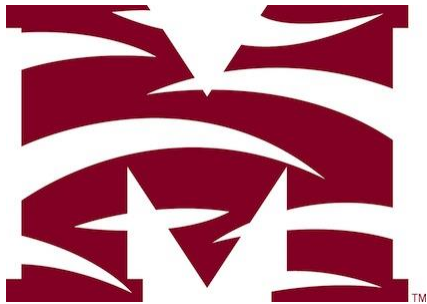




Name _____

4th Grade Modified Math Remote Learning Packet

Week 3



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 are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.



Connect while at Home!

Subscribe to my YouTube Channel to catch up with previously taught lessons or refer back to Math concepts if you are to need additional assistance.



Look up by the name of the channel		Melissa Lewis
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or

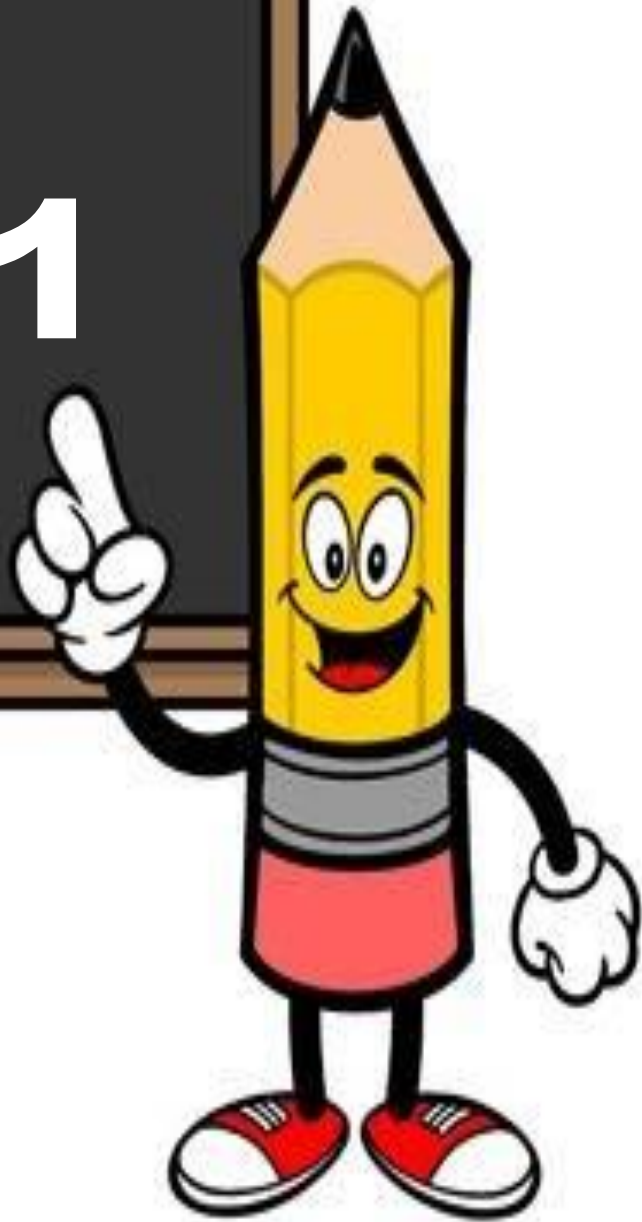
With your cell phone open up the camera and focus on the QR code. It will take you to my YouTube channel!		
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- Please do not separate either packet.
- Please do not remove any pages from either packet.
- Please return both packets completed on the date in which you will pick up the next set of packets.



Day # 1



Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

LEQ: How can place value help make rounding multi-digit numbers easier.

Objective: I can use my understanding of place value to round multi-digit numbers to any place. **HINT: Imagine a number line. Choose the number that would be in the MIDDLE between the two given numbers.**

Do Now

A

Number Correct: _____

Find the Midpoint

1.	0	10	
2.	0	100	
3.	0	1000	
4.	10	20	
5.	100	200	
6.	1000	2000	
7.	30	40	
8.	300	400	
9.	400	500	
10.	20	30	
11.	30	40	
12.	40	50	
13.	50	60	
14.	500	600	
15.	5000	6000	
16.	200	300	

23.	6000	7000	
24.	600	700	
25.	60	70	
26.	260	270	
27.	9260	9270	
28.	80	90	
29.	90	100	
30.	990	1000	
31.	9990	10,000	
32.	440	450	
33.	8300	8400	
34.	680	690	
35.	9400	9500	
36.	3900	4000	
37.	2450	2460	
38.	7080	7090	

Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Do Now Continued

B

Number Correct: _____

Improvement: _____

Find the Midpoint

1.	10	20	
2.	100	200	
3.	1000	2000	
4.	20	30	
5.	200	300	
6.	2000	3000	
7.	40	50	
8.	400	500	
9.	500	600	
10.	30	40	
11.	40	50	
12.	50	60	
13.	60	70	
14.	600	700	
15.	6000	7000	
16.	300	400	

23.	7000	8000	
24.	700	800	
25.	70	80	
26.	270	280	
27.	9270	9280	
28.	80	90	
29.	90	100	
30.	990	1000	
31.	9990	10,000	
32.	450	460	
33.	8400	8500	
34.	580	590	
35.	9500	9600	
36.	2900	3000	
37.	3450	3460	
38.	6080	6090	

Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Rounding with a Vertical Number Line

1. Determine the lower endpoint and fill it in.
2. Determine the top endpoint and fill it in.
3. Determine the midpoint and fill it in.
4. Ask yourself "is the number you are rounding greater than or less than the midpoint?"
5. If its greater, plot above the midpoint, if it's less plot below the midpoint.
6. If you plot above your round up, if you plot below you round down.

Problem 1: round a 5 or 6 digit number to the nearest ten thousands place

72,744 rounds to _____



Let's try a six digit number: 337,601 rounds to _____

Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 2: 6 digit number to the nearest hundred thousand

749,085 rounds to _____



CFU

Complete each statement by rounding the number to the given place value. Use the number line to show your work.

1. a. 53,000 rounded to the nearest ten thousand is _____.



Name: _____

BCCS-B



Howard Morehouse Hampton



CFU continued

b. ⁰⁰42,708 rounded to the nearest ten thousand is _____.



Application Problem

975,462 songs were downloaded in one day. Round this number to the nearest hundred thousand to estimate how many songs were downloaded in one day. Use a number line to show your work.



Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Exit Ticket

1. Round to the nearest ten thousand. Use the number line to model your thinking.

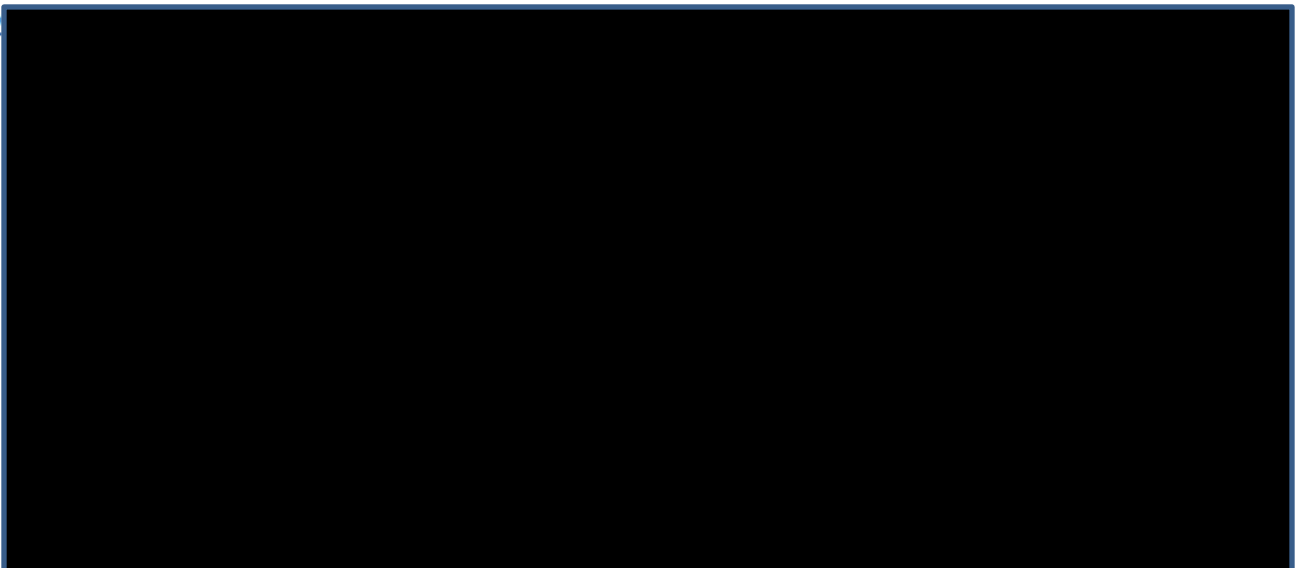


a. $35,124 \approx$ _____



b. $981,657 \approx$ _____

2



Name: _____

Week 3 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

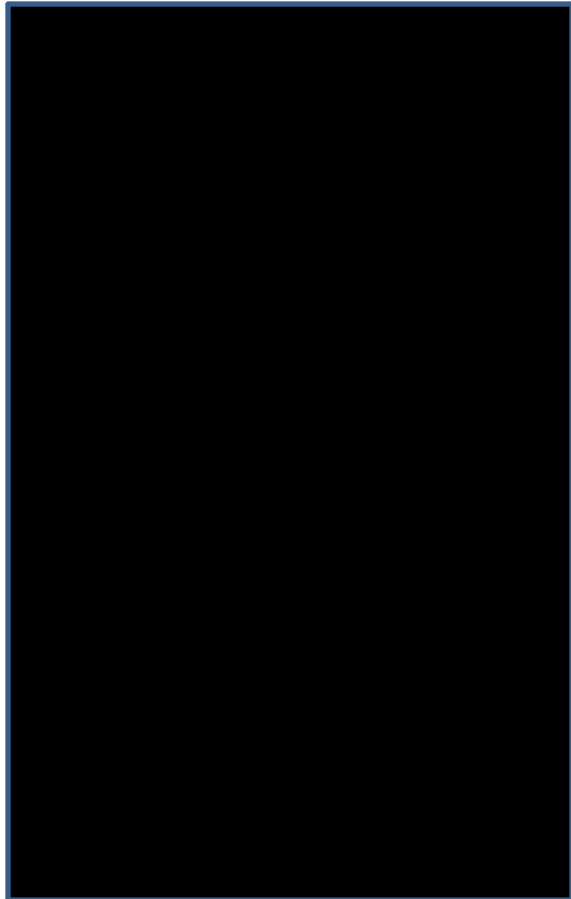
Homework

Complete each statement by rounding the number to the given place value. Use the number line to show your work.

1. a. 67,000 rounded to the nearest ten thousand is _____.



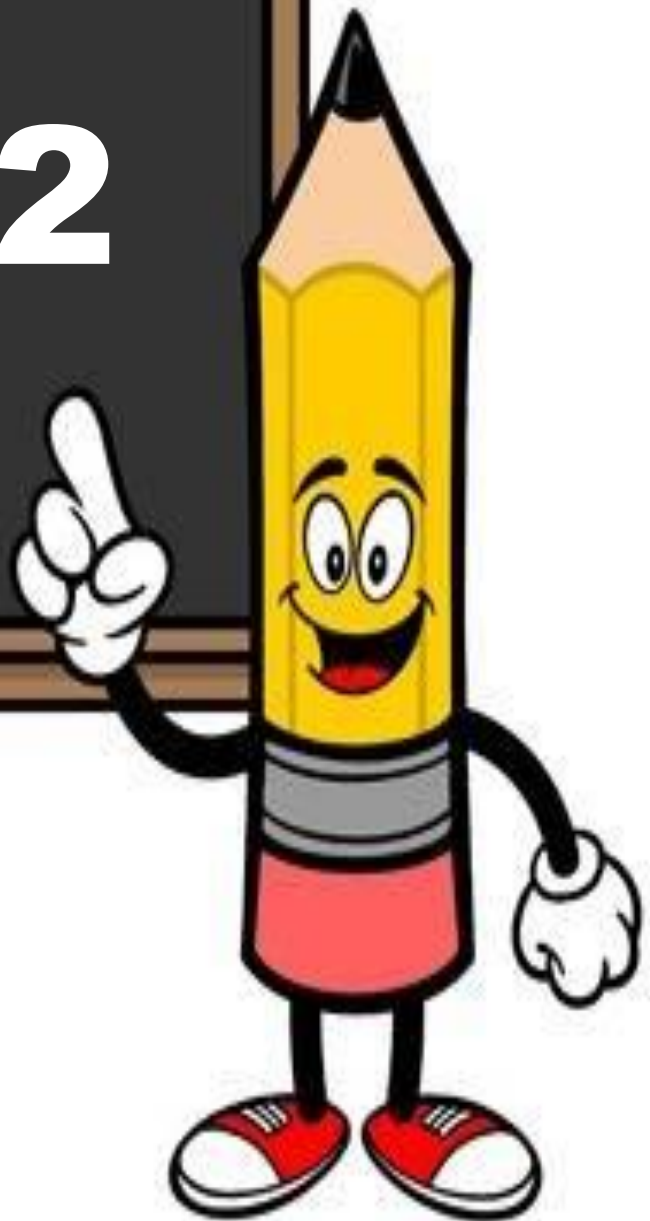
- b. 51,988 rounded to the nearest ten thousand is _____.



3. 491,852 people went to the water park in the month of July. Round this number to the nearest hundred thousand to estimate how many people went to the park. Use a number line to show your work.



Day # 2



Name: _____

Week 3 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can place value help make rounding multi-digit numbers easier.

Objective: I can use place value and rounding rules to round to any place value.

Do Now

HINT: Use your CUBES reference sheet!

34,123 people attended a basketball game. 28,310 people attended a football game. About how many people attended the basketball game? About how many people attended the football game? Round to the nearest ten thousand to find the answer. Show your work in the space below.

We will do this part together: About how many people attended both games in all?-show how to find estimated sums.

Name: _____

Week 3 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Rounding Rules

1. Underline the digit in the place value you are rounding to.
2. Point to its neighbor to the right.
3. If the neighbor is 5 or more, round up
4. If the neighbor is 4 or less, round down.
5. Everything after the place you are rounding to changes to a zero
6. Everything before the place you are rounding to, stays the same.

Problem 1:

Round 4,333 to the nearest thousand without using a number line. Show your work.

Round 346,560 to the nearest thousand without using a number line. Show your work.

Name: _____

Week 3 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 2:

65,600 to the nearest ten thousand without using a number line. Show your work.

147,591 to the nearest hundred thousand without using a number line. Show your work.

CFU

1. Round to the nearest thousand.

a. 5,300 \approx _____

c. 42,099 \approx _____



Name: _____

Week 3 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton



Application Problem

The 2012 Super Bowl had an attendance of just 68,658 people. If the headline in the newspaper the next day read, "About 70,000 People Attend Super Bowl," how did the newspaper round to estimate the total number of people in attendance?

HINT: Use your CUBES reference sheet!

Name: _____

Week 3 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton

Exit Ticket

1. Round 765,903 to the given place value:

Thousand _____

Ten thousand _____

Hundred thousand _____

Homework

1. Round to the nearest thousand.

a. 6,842 \approx _____

b. 2,722 \approx _____



2. Round to the nearest ten thousand.

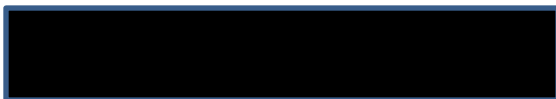
a. 88,999 \approx _____

b. 85,001 \approx _____



3. Round to the nearest hundred thousand.

a. 89,659 \approx _____





Day # 3



Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can place value help make rounding multi-digit numbers easier?

Objective: I can Use place value understanding to round multi-digit numbers to any place value using real world applications.

DO NOW

A

Number Correct: _____

Round to the Nearest 10,000

1.	21,000 ≈	
2.	31,000 ≈	
3.	41,000 ≈	
4.	541,000 ≈	
5.	49,000 ≈	
6.	59,000 ≈	
7.	69,000 ≈	
8.	369,000 ≈	
9.	62,000 ≈	
10.	712,000 ≈	
11.	28,000 ≈	
12.	37,000 ≈	
13.	137,000 ≈	
14.	44,000 ≈	

23.	185,000 ≈	
24.	85,000 ≈	
25.	95,000 ≈	
26.	97,000 ≈	
27.	98,000 ≈	
28.	198,000 ≈	
29.	798,000 ≈	
30.	31,200 ≈	
31.	49,300 ≈	
32.	649,300 ≈	
33.	64,520 ≈	
34.	164,520 ≈	
35.	17,742 ≈	
36.	917,742 ≈	

Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Do Now Continued

B

Number Correct: _____

Improvement: _____

Round to the Nearest 10,000

1.	11,000 ≈	
2.	21,000 ≈	
3.	31,000 ≈	
4.	531,000 ≈	
5.	39,000 ≈	
6.	49,000 ≈	
7.	59,000 ≈	
8.	359,000 ≈	
9.	52,000 ≈	
10.	612,000 ≈	
11.	18,000 ≈	
12.	27,000 ≈	
13.	127,000 ≈	
14.	34,000 ≈	

23.	185,000 ≈	
24.	85,000 ≈	
25.	95,000 ≈	
26.	96,000 ≈	
27.	99,000 ≈	
28.	199,000 ≈	
29.	799,000 ≈	
30.	21,200 ≈	
31.	39,300 ≈	
32.	639,300 ≈	
33.	54,520 ≈	
34.	154,520 ≈	
35.	27,742 ≈	
36.	927,742 ≈	

Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Input



How many pizza pies would I have to get if I plan on having 54 people at my party? _____

Problem 1: Round one number to multiple units.

Round 935,292 to:

Hundred thousand \approx _____

Ten thousand \approx _____

Thousand \approx _____

Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 2: Determine the best estimate to solve a word problem.

In the year 2012, there were 935,292 visitors to the White House.

Assume that each visitor is given a White House map. Now, use this information to predict the number of White House maps needed for visitors in 2013.

What might we need to round to make sure there are enough maps for each visitor?

Round 935,292 \approx _____

Problem 3: Choose a unit of rounding to solve a word problem.

2,837 students attend Lincoln Elementary school.

Take a minute to think about how we would estimate the number of chairs needed in the school.

What are the 3 different units we could round to? _____

Which unit would be the best and why? _____

Round 2,837 _____

Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

CFU

1. Round 543,982 to the nearest

a. thousand: _____.

b. ten thousand: _____.



2. Complete each statement by rounding the number to the given place value.

a. 2,841 rounded to the nearest hundred is _____.



3. Empire Elementary School needs to purchase water bottles for field day. There are 2,142 students. Principal Vadar rounded to the nearest hundred to estimate how many water bottles to order. Will there be enough water bottles for everyone? Explain.

Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

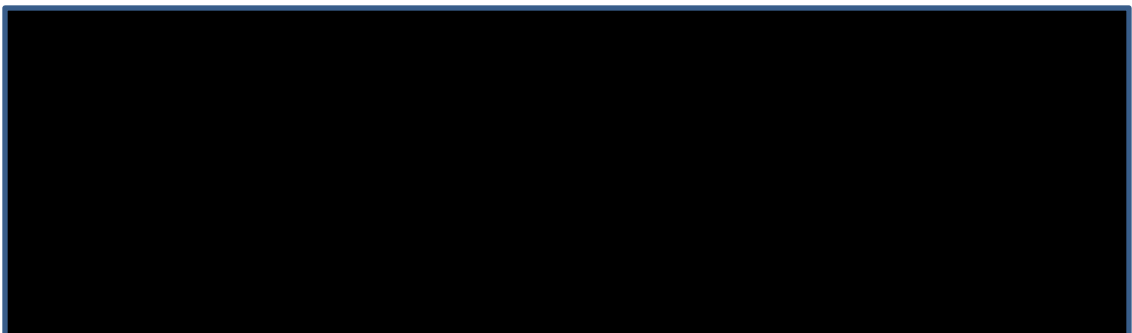
Application Problem

The post office sold 204,789 stamps last week and 93,061 stamps this week.
About how many more stamps did the post office sell last week than this week?
Explain how you got your answer.

Exit Ticket

1. There are 598,500 Apple employees in the United States.
 - a. Round the number of employees to the given place value.

thousand: _____



Name: _____

Week 3 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Homework

1. Round 845,001 to the nearest

a. thousand: _____.



2. Complete each statement by rounding the number to the given place value.

a. 783 rounded to the nearest hundred is _____.

b. 12,781 rounded to the nearest hundred is _____.

c. 951,194 rounded to the nearest hundred is _____.

3. Solve the following problems using pictures, numbers, or words.

a. In the 2011 New York City Marathon, 29,867 men finished the race, and 16,928 women finished the race. Each finisher was given a t-shirt. About how many men's shirts were given away? About how many women's shirts were given away? Explain how you found your answers.



Day # 4



Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 1 Multiple Choice

Directions: Choose only one answer by circling the correct response. Show your work when needed on your paper.

1. Which of the following sets of numbers are correctly ordered from least to greatest?

- a. $504,054 < 4,450 < 505,045$
- b. $4,450 < 505,045 < 504,054$
- c. $505,045 < 504,054 < 4,450$
- d. $4,450 < 504,054 < 505,045$

2. Which of the following numbers has an 8 in the hundreds place and a digit that is 10x as much in the thousands place?

- a. 8,456
- b. 7,885
- c. 8,850
- d. 8,008

3. Which comparison below is written correctly?

- a. $45,098 < 45,009$
- b. $45,009 < 45,098$
- c. $45,009 = 45,098$
- d. $45,690 > 47,894$

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 1 Multiple Choice continued

4. Which of the following statements is true?
- a. 6 thousands + 4 hundreds > 4 thousands + 6 hundreds
 - b. 1,000,000 < one million
 - c. 10 hundred thousand < 1 thousand
 - d. 7 hundreds 10 tens > 7 hundreds 11 tens
5. Which of the following correctly rounds the number 347, 923 to the **nearest ten thousands place?**
- a. 300,000
 - b. 340,000
 - c. 350,000
 - d. 347,000
6. Which of the following numbers could round to 600,000 when rounded to the nearest 100 thousands place?
- a. 674,033
 - b. 653,930
 - c. 623,938
 - d. 668,210

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 1 Multiple Choice continued

7. What is 1 thousand more than 34,094?

- a. 34,194
- b. 35,094
- c. 44,094
- d. 134,094

8. Which value is ten times more than 5,400?

- a. 54,000
- b. 6,500
- c. 4,300
- d. 5,400

9. Solve: 498×10

- a. 598
- b. 4,980
- c. 49,800
- d. 488

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 1 Multiple Choice continued

HINT: Use your CUBES reference sheet!

10. On Monday, Sam read for 23 minutes after school. On Tuesday, he read for ten times the amount he did on Monday. How long did Sam read in all on Monday and Tuesday?
- a. 460
 - b. 253
 - c. 230
 - d. 53



Now that you have complete Part 1, multiple choice, go to your google classroom and find the google form that says "SPA Mid Mod 1 multiple choice" and fill in the answers you marked from your packet.

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 2 Open Response

Directions: Answer the following questions by using CUBES when you are able to and showing how you got to your answer. Make sure to write your final answer on the answer line provided for each question.

11. The football stadium at the Louisiana State University (LSU) has a seating capacity of 92,542.

a. Write the seating capacity of the LSU stadium in word form and in expanded form on the lines provided below:

Word form: _____

Expanded form: _____

b. The population of San Jose, CA was approximately 10x the amount of people that the LSU stadium could seat. What was the population of San Jose in 2010?

Answer: _____

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

SPA Mid Mod-1

Part 2 Open Response Continued

12. Round 92,542 to the nearest thousands place and to the nearest ten thousands place. Use rounding rules or vertical number lines to do so. Make sure to show how you got your answer.

Thousands _____

Ten thousands _____

13. Use each of the digits 5,4,3,2, and 1only once to create one five-digit number. Write your number in standard, word and expanded form on the lines provided.

Standard form: _____

Word form: _____

Expanded form: _____

Name: _____

Week 3 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton



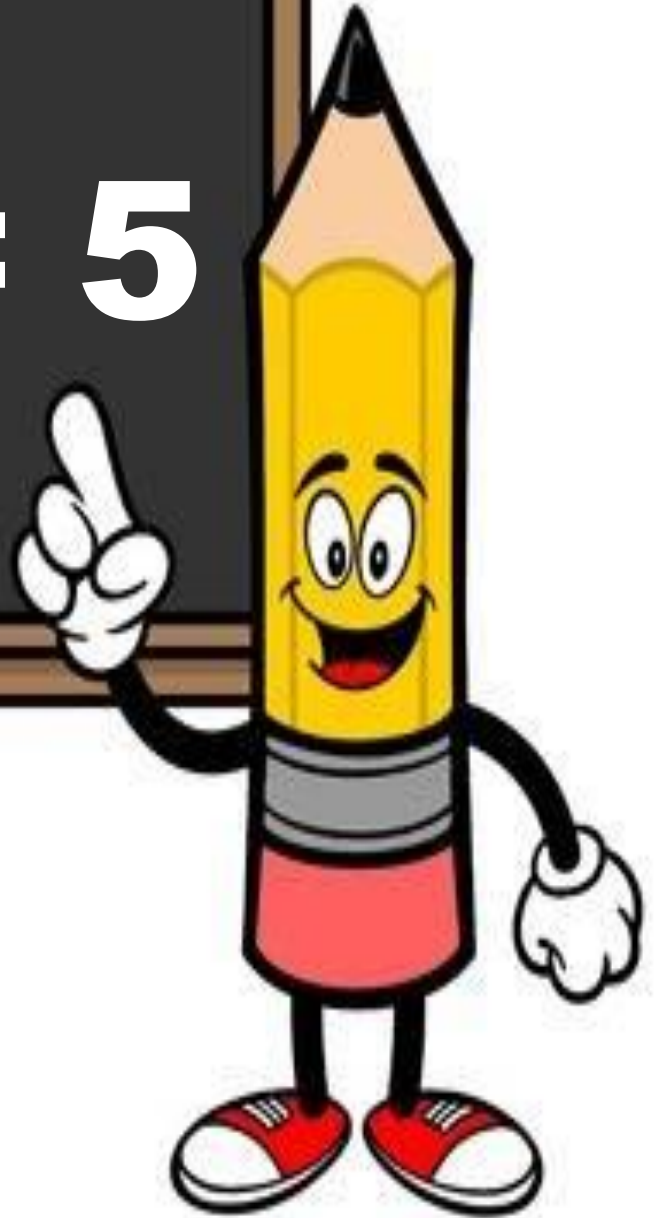
Now that you have complete Part 2, open response, go to ed light to submit questions 11-13 from pages 30-31 of your packet. DO NOT discard your packet or your test. Please keep all pieces of this test and packet together.

Thank you!

GREAT JOB!!



Day # 5



Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can I use place value understanding to add large whole numbers?

Objective: I can use place value understanding to add multi-digit whole numbers and solve word.

Do Now

Meredith kept track of the calories she consumed for two weeks. The first week, she consumed 12,490 calories, and the second week 14,295 calories. How many calories did Meredith consume altogether?

Input

Problem 1: finding a reasonable answer

What could we round to and why? _____

12,490 _____

14,295 _____

ADD

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 2: Add, renaming once, using place value disks in a place value chart.

$3,134 + 2,493 =$ _____

Set up your problem vertically	Draw a tape diagram

10 thousand	Thousand	Hundred	Tens	Ones

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 3: Add, renaming in multiple units, using the standard algorithm and the place value chart.

$40,762 + 30,473 =$ _____

Set up your problem vertically	Draw a tape diagram



10 thousand	Thousand	Hundred	Tens	Ones

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 4: Add, renaming multiple units using the standard algorithm.

$$207,426 + 128,744 = ?$$

Standard algorithm	Tape diagram

CFU

Directions: Solve each of the problems below using a standard algorithm and draw a tape diagram next to the problem in the space provided.

Tape Diagram

$$\begin{array}{r} 6,311 \\ + 268 \\ \hline \end{array}$$

$$\begin{array}{r} 6,314 \\ + 2,493 \\ \hline \end{array}$$

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

CFU

$$\begin{array}{r} 52,098 \\ + 6,048 \\ \hline \end{array}$$

Tape Diagram

Application Problem

The Lane family took a road trip. During the first week, they drove 907 miles. The second week they drove the same amount as the first week plus an additional 297 miles. How many miles did they drive during the second week?

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Exit Ticket

1. Solve the addition problems below using the standard algorithm.

a.
$$\begin{array}{r} 23,607 \\ + 2,307 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 3,948 \\ + 278 \\ \hline \end{array}$$

2. The office supply closet had 25,473 large paper clips, 13,648 medium paper clips, and 15,306 small paper clips. How many paper clips were in the closet?

Name: _____

Week 3 Day 5 Date: _____

BCCS-B

Howard Morehouse Hampton

Homework

1. Solve the addition problems below using the standard algorithm.

a.
$$\begin{array}{r} 7,909 \\ + 1,044 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 27,909 \\ + 9,740 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 827,909 \\ + 42,989 \\ \hline \end{array}$$

Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement.

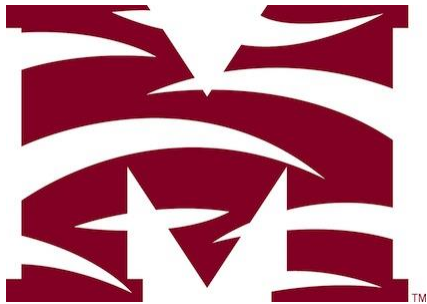
2. At the zoo, Brooke learned that one of the rhinos weighs 4,897 pounds, one of the giraffes weighs 2,667 pounds, one of the African elephants weighs 12,456 pounds, and one of the Komodo dragons weighs 123 pounds.
- a. What is the combined weight of the zoo's African elephant and the giraffe?



Name _____

4th Grade Modified Math Remote Learning Packet

Week 4



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 are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.


Connect while at Home!

Subscribe to my YouTube Channel to catch up with previously taught lessons or refer back to Math concepts if you are to need additional assistance.



Look up by the name of the channel	→	Melissa Lewis
------------------------------------	---	---------------

or

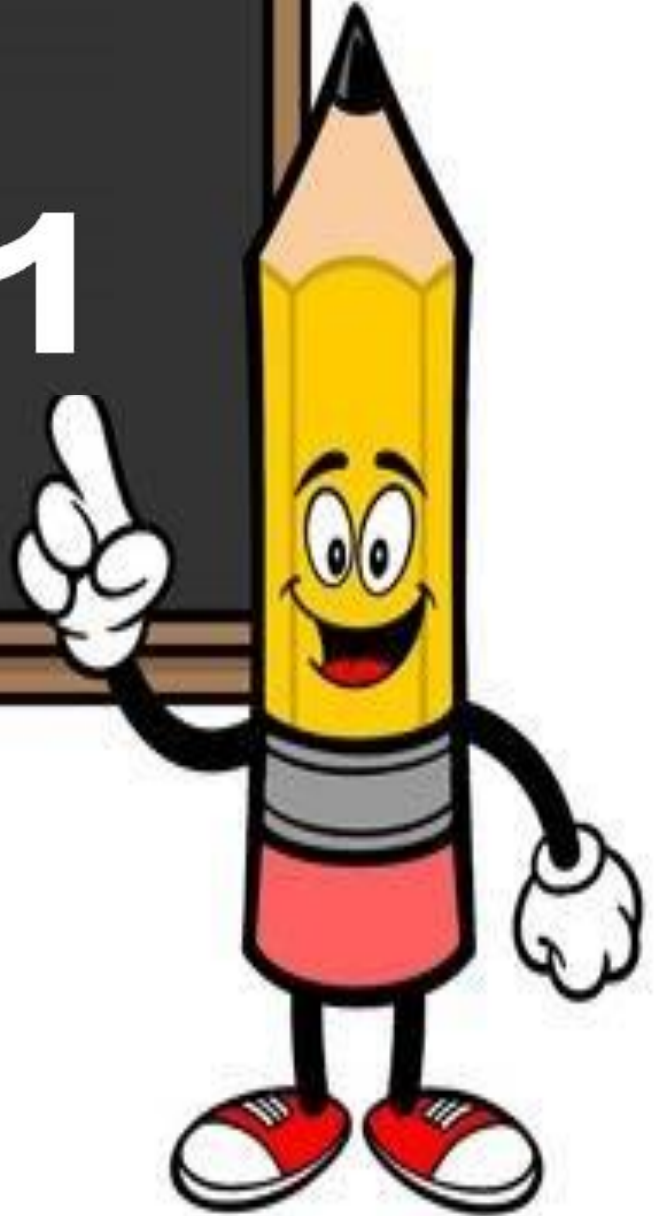
With your cell phone open up the camera and focus on the QR code. It will take you to my YouTube channel!	→	
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- Please do not separate either packet.
- Please do not remove any pages from either packet.
- Please return both packets completed on the date in which you will pick up the next set of packets.



Day # 1



Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can I use place value understanding to add large whole numbers?

Objective: I can solve multi-step word problems using standard addition algorithms and rounding to assess for reasonableness.

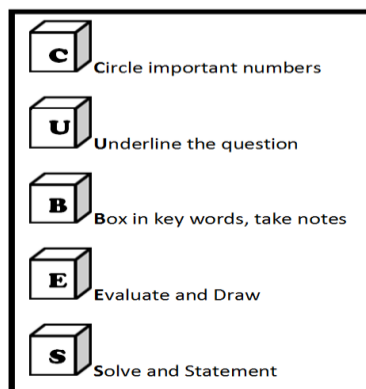
Do Now

The basketball team raised a total of \$154,694 in September and \$29,987 more in October than in September. How much money did they raise in October? Draw a tape diagram, and write your answer in a complete sentence.

Tape diagram	Solve	Sentence



Cubes Tool Kit



Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Directions: Below is the word problem that goes along with the video that we are getting ready to view. Please make your paper look like theirs as they review the steps of CUBES and solve the problem.

Victoria walked 5 blocks from her house to the bus stop. She rode the bus 7 blocks to the library. Later, she came home the same way. How many blocks did Victoria travel in all?

Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Problem 1: Solve a multi-step word problem using a tape diagram

The city flower shop sold 14,594 pink roses on Valentine's Day. They sold 7,857 more red roses than pink roses. How many pink and red roses did the city flower shop sell altogether on Valentine's Day? Use a tape diagram and CUBES to show the work.



Problem 2: Solve a two-step word problem using a tape diagram, and assess the reasonableness of the answer.

On Saturday, 32,736 more bus tickets were sold than on Sunday. On Sunday, only 17,295 tickets were sold. How many people bought bus tickets over the weekend? Use a tape diagram to show the work.



Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Problem 3: Solve a multi-step word problem using a tape diagram, and assess reasonableness.

Last year, Big Bill's Department Store sold many pairs of footwear. 118,214 pairs of boots were sold, 37,092 more pairs of sandals than pairs of boots were sold, and 124,417 more pairs of sneakers than pairs of boots were sold. How many pairs of footwear were sold last year?



CFU

Directions: Estimate and then solve each problem. Model the problem with a tape diagram. Explain if your answer is reasonable.

1. For the bake sale, Connie baked 144 cookies. Esther baked 49 more cookies than Connie. About how many cookies did Connie and Esther bake?
Estimate by rounding each number to the nearest ten **before** adding.



Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

CFU Continued



Application Problem

Raffle tickets were sold for a school fundraiser to parents, teachers, and students. 563 tickets were sold to teachers. 888 more tickets were sold to students than to teachers. 904 tickets were sold to parents.

About how many tickets were sold to parents, teachers, and students? **Round each number to the nearest hundred to find your estimate.**

Exactly how many tickets were sold to parents, teachers, and students?

Name: _____

Week 4 Day 1 Date: _____

BCCS-B

Howard Morehouse Hampton

Exit Ticket

Directions: Use CUBES to solve the problem below.

In January, Scott earned \$8,999. In February, he earned \$2,387 more than in January. In March, Scott earned the same amount as in February. How much did Scott earn altogether during those three months?



Name: _____

Week 4 Day 1 Date: _____

BCCS-B

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Homework

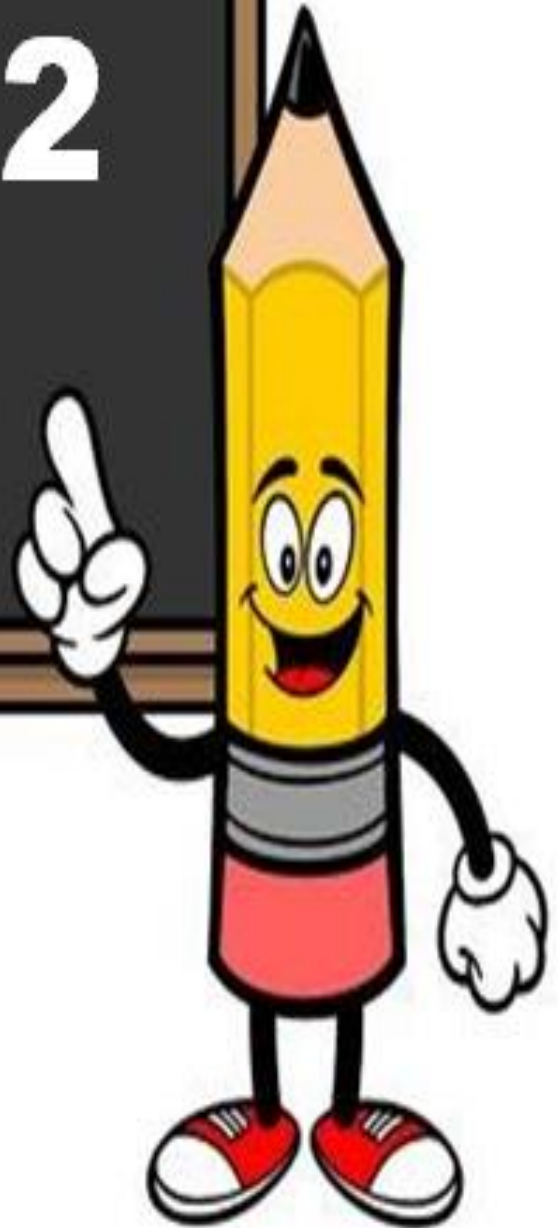
Estimate and then solve each problem. Model the problem with a tape diagram. Explain if your answer is reasonable. Use CUBES to solve

1. There were 3,905 more hits on the school's website in January than February. February had 9,854 hits.
 - a. About how many hits did the website have during January and February?





Day # 2



Name: _____

Week 4 Day 2 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can I use place value understanding and decompose numbers to subtract large numbers?

Objective: I can use place value understanding to decompose to smaller units once.

Do Now

Jennifer texted 5,849 times in January. In February, she texted 1,263 more times than in January. What was the total number of texts that Jennifer sent in the two months combined? Use CUBES to solve.



Input

Problem 1: Use a place value chart and place value disks to model subtracting alongside the algorithm, regrouping 1 hundred into 10 tens.

$$4,259 - 2,171 = ?$$

Set your problem up vertically (standard algorithm)	Draw a tape diagram

Name: _____

Week 4 Day 2 Date: _____

BCCS-B

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Input Continued

Problem 1 continued:

$$4,259 - 2,171$$

Thousands	Hundreds	Tens	Ones



Today we are subtracting from our place value chart which means we ONLY are modeling the largest number in the problem. We will show the subtraction from that number of discs.

Problem 2: Regroup 1 thousand into 10 hundreds using the subtraction algorithm.

$$23,422 - 11,510$$

Ten thousands	Thousands	Hundreds	Tens	Ones

Name: _____

Week 4 Day 2 Date: _____

BCCS-B

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Input Continued

Problem 2 continued:

$$23,422 - 11,510$$

Standard algorithm	Tape diagram

Problem 3: Solve a subtraction word problem, regrouping 1 ten thousand into 10 thousands

The paper mill produced 73,658 boxes of paper. 8,052 boxes have been sold. How many boxes remain? Use CUBES to solve.



Name: _____

Week 4 Day 2 Date: _____

BCCS-B

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CFU

Directions: Solve each of the problems below using the standard algorithm that is provided. Draw a tape diagram to match.

Tape Diagrams

a.
$$\begin{array}{r} 7,525 \\ -3,502 \\ \hline \end{array}$$



Application Problem

During the month of March, 68,025 pounds of king crab were caught. If 15,614 pounds were caught in the first week of March, how many pounds were caught in the rest of the month? Use CUBES to solve.

Name: _____

Week 4 Day 2 Date: _____

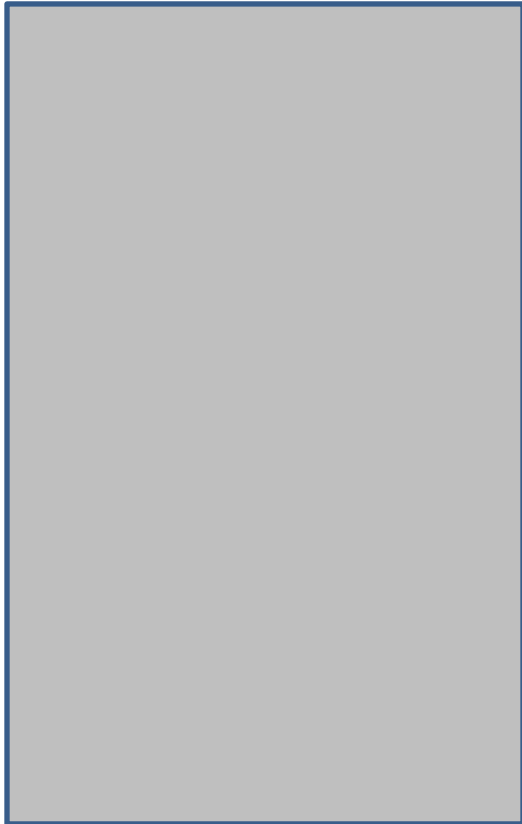
BCCS-B

Howard Morehouse Hampton

Exit Ticket

Directions: Solve using a standard algorithm.

a.
$$\begin{array}{r} 8,512 \\ - 2,501 \\ \hline \end{array}$$



Name: _____

Week 4 Day 2 Date: _____

BCCS-B

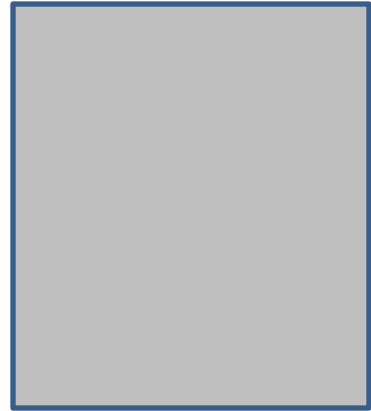
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Homework

1. Use the standard algorithm to solve the following subtraction problems.

a.
$$\begin{array}{r} 2,431 \\ - 341 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 422,431 \\ - 14,321 \\ \hline \end{array}$$



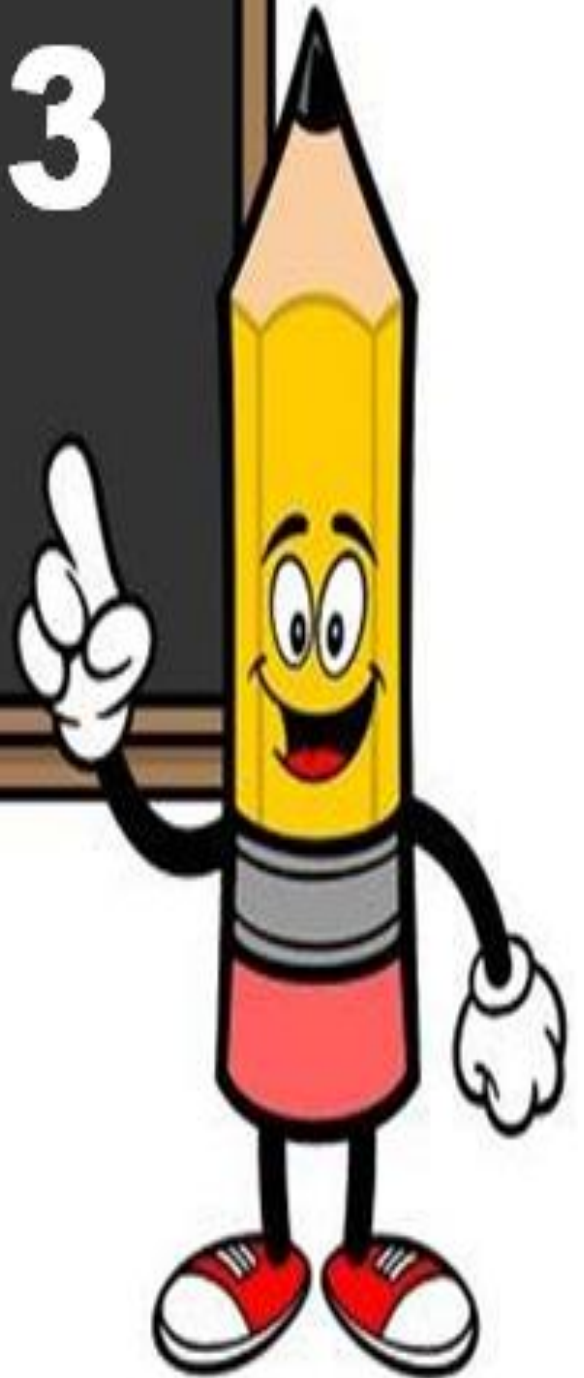
Directions: Use CUBES to solve the problem below.

An elementary school collected 1,705 bottles for a recycling program. A high school also collected some bottles. Both schools collected 3,627 bottles combined. How many bottles did the high school collect?





Day # 3



Name: _____

Week 4 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Learning Target: How can I use place value understanding and decompose numbers to subtract large numbers?

Objective: I can use place value understanding to decompose into smaller units up to 3x.

Do Now

Directions: Today we are going to solve the first part of our DO NOW together.

In one year, the animal shelter bought 25,460 pounds of dog food. That amount was 10 times the amount of cat food purchased in the month of July. How much cat food was purchased in July?

Now that we know how much cat food was purchased, solve the next part on your own:

If the cats ate 1,462 pounds of the cat food, how much cat food was left? Use CUBES to solve.



Name: _____

Week 4 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Input

Problem 1: Subtract, decomposing twice.

Write $22,397 - 3,745 = ?$

Standard Algorithm	Tape Diagram

Where is the first place that we CANNOT subtract? How do you know? _____

Problem 2: Subtract, decomposing three times.

$210,290 - 45,720 = ?$

Standard Algorithm	Tape Diagram

Name: _____

Week 4 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Problem 3: Use the subtraction algorithm to solve a word problem, modeled with a tape diagram, decomposing units 3 times

Bryce needed to purchase a large order of computer supplies for his company. He was allowed to spend \$859,239 on computers. However, he ended up only spending \$272,650. How much money was left? Use CUBES to solve.



CFU

Directions: Solve using a standard algorithm and draw a tape diagram to match.

Tape Diagrams

a.
$$\begin{array}{r} 2,460 \\ -1,370 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 2,460 \\ -1,472 \\ \hline \end{array}$$

Name: _____

Week 4 Day 3 Date: _____

BCCS-B

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Application Problem

Directions: Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement. Check your answers. Solve using CUBES

There are 86,400 seconds in one day. If Mr. Liegel is at work for 28,800 seconds a day, how many seconds a day is he away from work?



Name: _____

Week 4 Day 3 Date: _____

BCCS-B

Howard Morehouse Hampton

Exit Ticket

Directions: Use the standard algorithm to solve the following subtraction problems.

1.
$$\begin{array}{r} 19,350 \\ - 5,761 \\ \hline \end{array}$$



Directions: Draw a tape diagram to represent the following problem. Use numbers to solve, and write your answer as a statement. Check your answer.

3. A doughnut shop sold 1,232 doughnuts in one day. If they sold 876 doughnuts in the morning, how many doughnuts were sold during the rest of the day?



Name: _____

Week 4 Day 3 Date: _____

BCCS-B

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Homework

1. Use the standard algorithm to solve the following subtraction problems.

a.
$$\begin{array}{r} 71,989 \\ -21,492 \\ \hline \end{array}$$

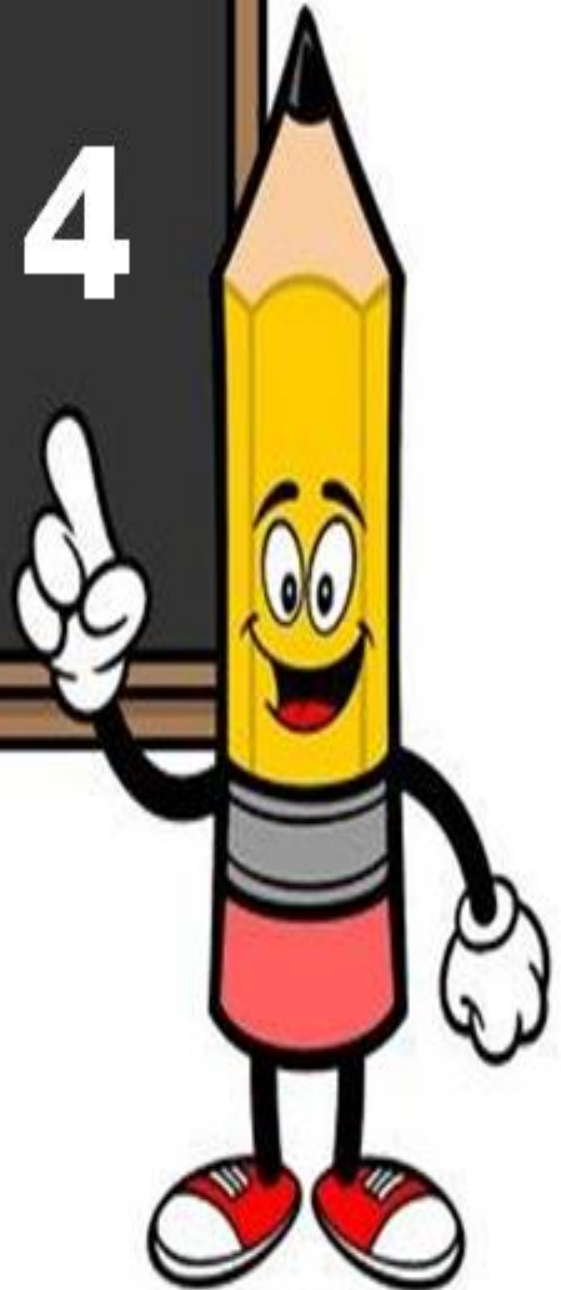


Directions: Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement. Check your answers. Use CUBES to solve.

2. Jason ordered 239,021 pounds of flour to be used in his 25 bakeries. The company delivering the flour showed up with 451,202 pounds. How many extra pounds of flour were delivered?



Day # 4



Name: _____

Week 4 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

Do now

Draw a tape diagram to represent the following problem. Use numbers to solve, and write your answer as a statement. Check your answer. Use CUBES to solve

A doughnut shop sold 1,232 doughnuts in one day. If they sold 876 doughnuts in the morning, how many doughnuts were sold during the rest of the day?



Today we are taking a quiz on the following:

- Adding and subtracting large numbers
- Using CUBES to solve word addition and subtraction word problems

We will review and then you will take you quiz using a good form and ed light.

Let's Review!

Name: _____

Week 4 Day 4 Date: _____

BCCS-B

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Input

Tape Diagram

$$\begin{array}{r} 2,460 \\ -1,470 \\ \hline \end{array}$$

$$\begin{array}{r} 124,306 \\ -31,117 \\ \hline \end{array}$$

In May, the New York Public Library had 124,061 books checked out. Of those books, 31,117 were mystery books. How many of the books checked out were not mystery books?

Name: _____

Week 4 Day 4 Date: _____

BCCS-B

Howard Morehouse Hampton

Input Continued

Tape Diagram

$$\begin{array}{r} 6, 311 \\ + 1, 268 \\ \hline \end{array}$$

$$\begin{array}{r} 8, 314 \\ + 2, 493 \\ \hline \end{array}$$



Next steps:

- Complete the quiz in the packet.
- Submit the answers to the multiple choice in your google classroom using the google form.
- Submit the answer to the open response question on ed light.
- DO NOT separate the quiz from your packet. Leave everything together.



Name: _____

Week 4 Day 4 Date: _____

BCCS-B

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Adding/Subtracting QUIZ

Directions: For the multiple choice section solve each of the following and choose the correct response. There is only 1 correct answer. SHOW YOUR WORK

1. $2,460 - 1,472 = ?$

- a. 1,088
- b. 988
- c. 888
- d. 1,012

2. $124,306 - 31,117 = ?$

- a. 93,189
- b. 113,211
- c. 94,289
- d. 93,389

3. $27,909 + 9,740 = ?$

- a. 18,169
- b. 37,649
- c. 27,649
- d. 37,749

4. $289,205 + 11,845 = ?$

- a. 301,095
- b. 277,360
- c. 302,195
- d. 301,119

Name: _____

Week 4 Day 4 Date: _____

BCCS-B

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Adding/Subtracting QUIZ continued

Directions: For the open response section solve the following question by using CUBES. SHOW YOUR WORK

Once you have completed this question on paper, you will submit your response on ed light.

5. At the zoo, Brooke learned that one of the rhinos weighs 4,897 pounds, one of the giraffes weighs 2,667 pounds, one of the African elephants weighs 12,456 pounds, and one of the Komodo dragons weighs 123 pounds. What is the combined weight of the zoo's African elephant and the rhino?