Name _____

3rd Grade Modified Math Remote Learning Packet

Week 11

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 under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.

Brighter Choice
Charter School for Boys

Day # 1

LEQ: How can I round to the nearest hundred on the vertical number line?

Objective: I can find the halfway point on a vertical number line to round to the nearest hundred.

Vocabulary:

- Vertical Number Line
- Halfway point
- End points
- Round
- About

Name: _____ Week 11 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Do Now: Find the Halfway Point

1.	0	5	10
2.	10	15	20
3.	20	_____	30
4.	70	_____	80
5.	80	_____	70
6.	40	_____	50
7.	50	_____	40
8.	30	_____	40
9.	40	_____	30
10.	70	_____	60
11.	60	_____	70
12.	80	_____	90
13.	90	_____	100
14.	100	_____	90
15.	90	_____	80
16.	50	_____	60
17.	150	_____	160
18.	250	_____	260
19.	750	_____	760
20.	760	_____	750
21.	80	_____	90
22.	180	_____	190

23.	280	285	290
24.	580	_____	590
25.	590	585	580
26.	30	_____	40
27.	930	_____	940
28.	70	_____	60
29.	470	_____	460
30.	90	_____	100
31.	890	_____	900
32.	990	_____	1,000
33.	1,000	_____	1,010
34.	70	_____	80
35.	1,070	_____	1,080
36.	1,570	_____	1,580
37.	480	_____	490
38.	1,480	_____	1,490
39.	1,080	_____	1,090
40.	360	_____	350
41.	1,790	_____	1,780
42.	400	_____	390
43.	1,840	_____	1,830
44.	1,110	_____	1,100

Name: _____ Week 11 Day 1 Date: _____

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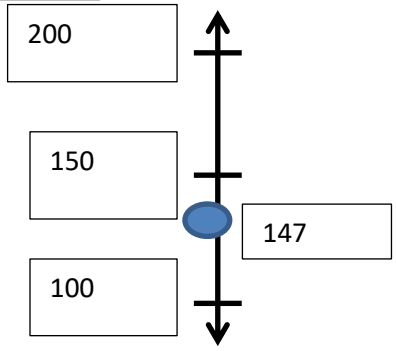
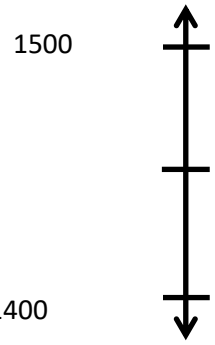
Input (My Turn):

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

a. 147 ≈ 100



b. 1,461 ≈ 1500



c. 307 ≈ _____

d. 1,872 ≈ _____

Name: _____ Week 11 Day 1 Date: _____

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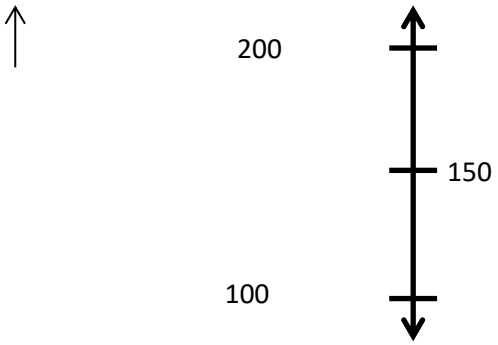
Problem Set (Your Turn):

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

a. 143 ≈ 100



b. 286 ≈ _____

c. 320 ≈ _____

d. 1,320 ≈ _____

e. 1,572 ≈ _____

f. 1,250 ≈ _____

Name: _____ Week 11 Day 1 Date: _____

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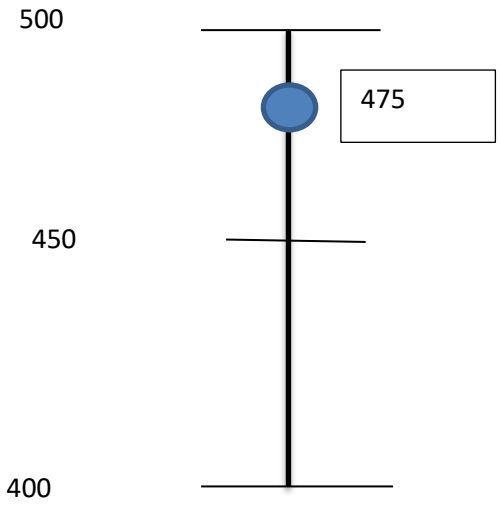
Input (My Turn):

2. There are 475 people at the soccer game. Draw a vertical number line to round the number of people to the nearest **hundred** people.

What is 475 closest to? 400 or 500?

Answer: 500



Problem Set (Your Turn):

2. There are 564 people at the soccer game. Draw a vertical number line to round the number of people to the **nearest hundred** people.

Name: _____ Week 11 Day 1 Date: _____

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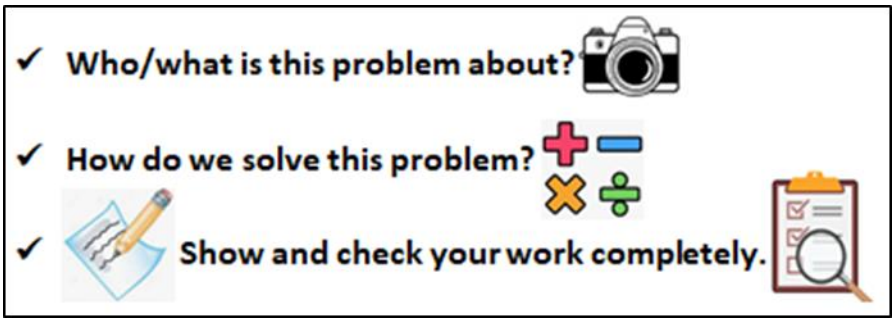

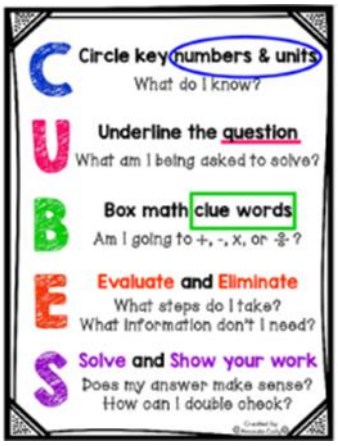

Application:

The teacher asks students to round 1,865 to the **nearest hundred**. Eric says that it is 1,900. Gaius disagrees and says it is 1,800. Who is correct? **Explain your thinking on a vertical number line.**

Draw a vertical number line. The bottom number will be 1,800 and the top number will be 1,900.

Name: _____ Week 11 Day 1 Date: _____

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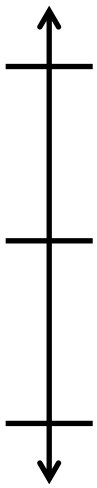
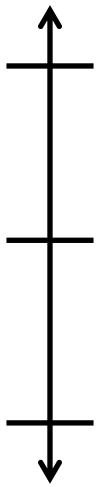
Exit Ticket:

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

e. 137 ≈ 100 _____ 	f. 1,761 ≈ _____ 

2. There are 875 people at the football game. Draw a vertical number line to round the number of people to the nearest *hundred* people.

_____

Name: _____ Week 11 Day 1 Date: _____

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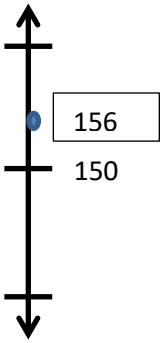
Homework:

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

a. 156 ≈ _____



b. 342 ≈ _____

c. 260 ≈ _____

d. 1,260 ≈ _____

2. There are 1,525 pages in a book. Julia and Kim round the number of pages to the nearest hundred. Julia says it is 1,500. Kim says it is 1,600. Who is correct? Explain your thinking.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Day # 2

LEQ: How can I add to compose larger units once?

Objective: I can use the standard algorithm to add to compose larger units once.

Vocabulary:

- Standard Algorithm
- Place Value
- Compose
- Regroup or Rename Units

Name: _____ Week 11 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:

Rewrite each problem vertically and solve.

Start with the ones place and then move to the tens place

a. 18 + 10 = _____ 18 + 10 28	**b.** 25 + 4 = _____	**c.** 36 + 31 = _____
d. 22 + 73 = _____	**e.** 57 + 42 = _____	**f.** 19 + 40 = _____
g. 86 + 70 = _____	**h.** 93 + 5 = _____	**i.** 62 + 14 = _____

Name: _____ Week 11 Day 2 Date: _____

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Input (My Turn):

When a single sum is greater than 9 ones, we need to regroup or _____ the units. For example, if we are adding 6+7, we can rename the sum of 13 as ___ ten and _____ ones. Instead of adding horizontally, we use the _____ _____ to line up the place values of each addend. Then we add one place value at a time starting from the ones place.

Horizontal	Standard Algorithm
26 + 17 = _____	

1. Find the sums below using the standard algorithm.

a. 46 mL + 5 mL	b. 46 mL + 25 mL	c. 146 mL + 25 mL
46 + 05 51ml		

Name: _____ Week 11 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Find the sums below using the standard algorithm.

a. 59 cm + 30 cm	b. 509 cm + 83 cm	c. 597 cm + 30 cm
d. 29 g + 63 g	e. 345 g + 294 g	f. 480 g + 476 g
g. 245 mL + 412 mL	h. 509 g + 367 g	i. 119 g + 62 g

Name: _____ Week 11 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

1. Ms. Young runs 14 minutes more on Sunday than Saturday. She ran 19 minutes on Saturday.

a. How many minutes does she run on Sunday?

b. How many minutes does she run in total?

Problem Set (Your Turn):

1. Ms. Sherman swims 18 minutes more on Sunday than Saturday. She swam 13 minutes on Saturday.

a. How many minutes does she swim on Sunday?

b. How many minutes does she swim in total?

Name: _____ Week 11 Day 2 Date: _____

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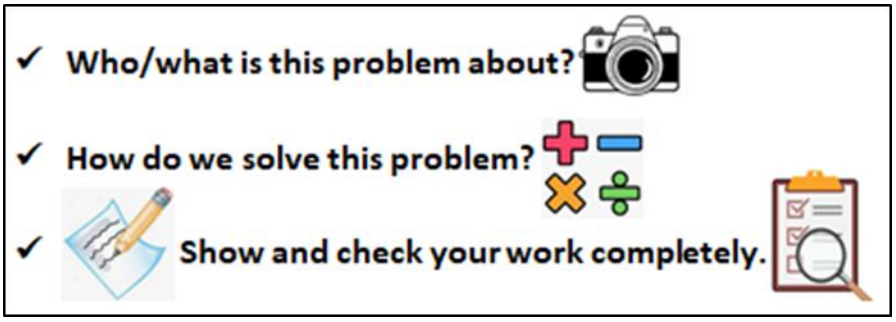

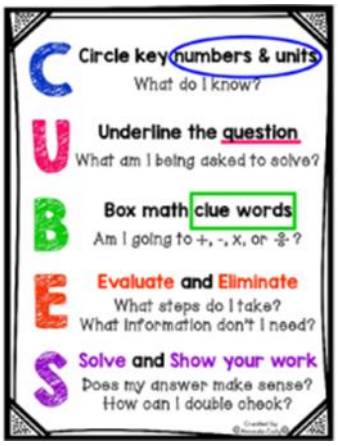

Application:

It takes Mr. Page 15 minutes to mow the front lawn. It takes him 17 more minutes to mow the back lawn than the front lawn. What is the total amount of time Mr. Page spends mowing the lawns?

Name: _____ Week 11 Day 2 Date: _____

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Exit Ticket:

1. Find the sums below using the standard algorithm.

a. 24 cm + 36 cm	b. 562 m + 180 m	c. 345 km + 239 km

2. Xaiden jogs 15 minutes more on Sunday than Saturday. He jogged 26 minutes on Saturday.

   a. How many minutes does he jog on Sunday?

   b. How many minutes does he jog in total?

Name: _____ Week 11 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Homework: Find the sum.

a. 75 cm + 7 cm 1 75 + 07 82cm	b. 39 kg + 56 kg	c. 362 mL + 229 mL
d. 283 g + 92 g	e. 451 mL + 339 mL	f. 149 L + 331 L

2. There are 75 students in third grade. There are 44 more students in fourth grade than in third grade. How many students are in fourth grade?

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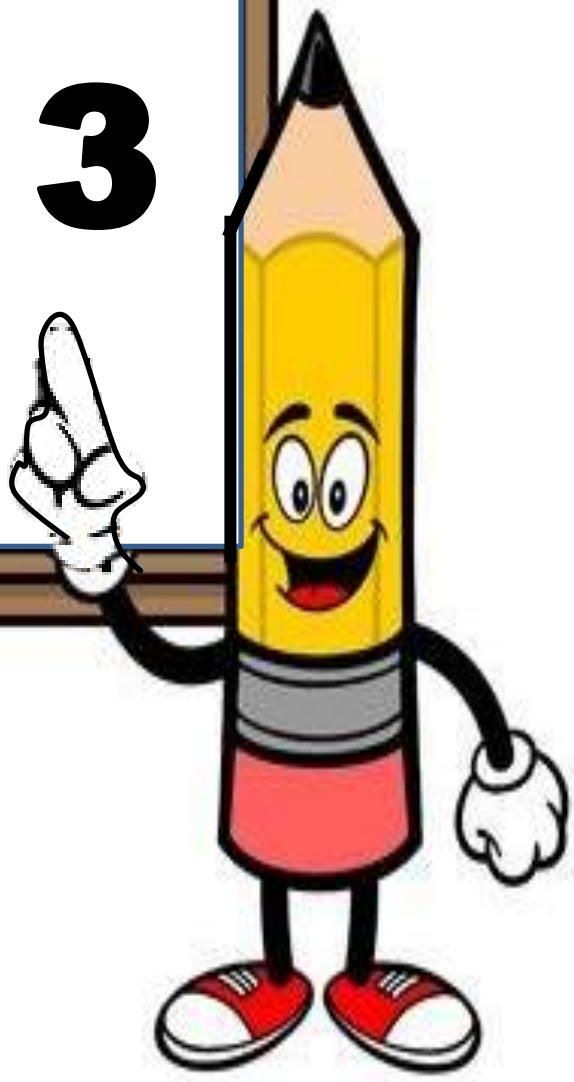
Day # 3



Name: _____ Week 11 Day 3 Date: _____

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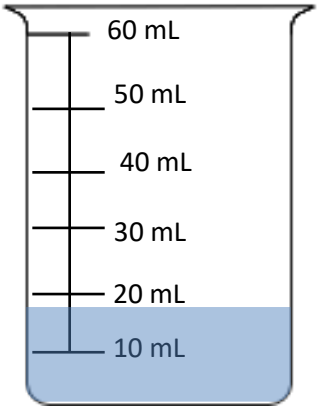
Mid-Module Assessment Review

1) How many grams are in a kilogram?

a) 10 g
b) 100 g
c) 1,000 g
d) 10,000 g

2) Measure the liquid in the beaker to the nearest 10 milliliters.



a) 60 mL
b) 10 mL
c) 20 mL
d) 15 mL

3) Mrs. McLean drinks 2 cups of tea on Monday. The first cup measures 140 mL and the second ones measures 135 mL. How much coffee did Mrs. Blomgren drink on Monday?

a) 100 mL
b) 200 mL
c) 275 mL
d) 150 mL

Name: _____ Week 11 Day 3 Date: _____

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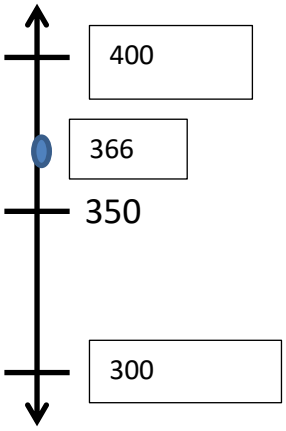
4) Round to the nearest hundred.

366 ≈ _____ is

a) 300
b) 366
c) 350
d) 400



5) What time does the clock to the right show?

a) 2:00
b) 1:55
c) 1:10
d) 1:00

6) What is the mass of the soil show on the scale?

a) 10 kg
b) 1 kg
c) 9 kg
d) 6 kg

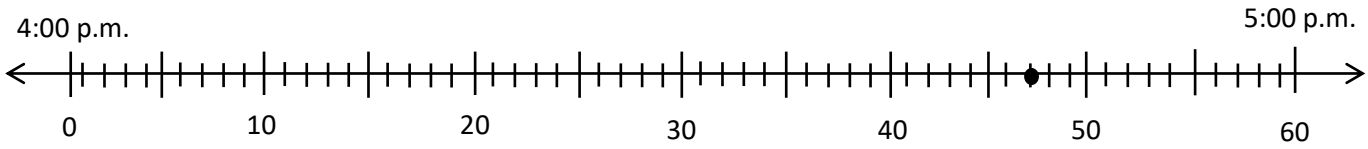
Name: _____ Week 11 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

7) Prince finishes basketball practice at 1:35 p.m. after practicing for 22 minutes. <u>What time did Prince's practice start?</u>

a) 1:35 p.m.
b) 1:13 p.m.
c) 1:22 p.m.
d) 2:00 p.m.

8) What time is plotted on the number line below?



a) 4:45 p.m.
b) 4:50 p.m.
c) 4:47 p.m.
d) 5:00 p.m.

9) What weighs about 1 gram? Really small.

a) a backpack
b) a dictionary
c) a paper clip
d) a boot

Name: _____ Week 11 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

10) The weight of a golf ball is shown below.

569

a. The golf ball weighs exactly_____g

b. Round the weight of the golf ball to the nearest ten grams.

The golf ball weighs about _____g

11) Jeremiah puts a 1-kilogram bag of sugar on one side of a pan balance. How many 100-gram bags of sugar does he need to put on the other side to balance the scale?

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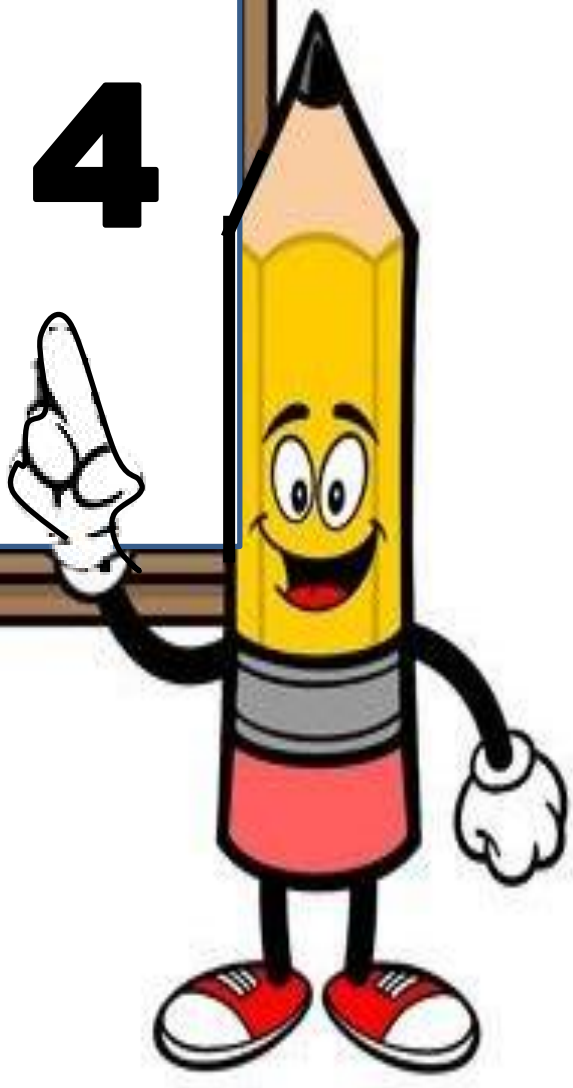
Day # 4



Scholars will be taking the Mid Module Assessment for Module 2 today.

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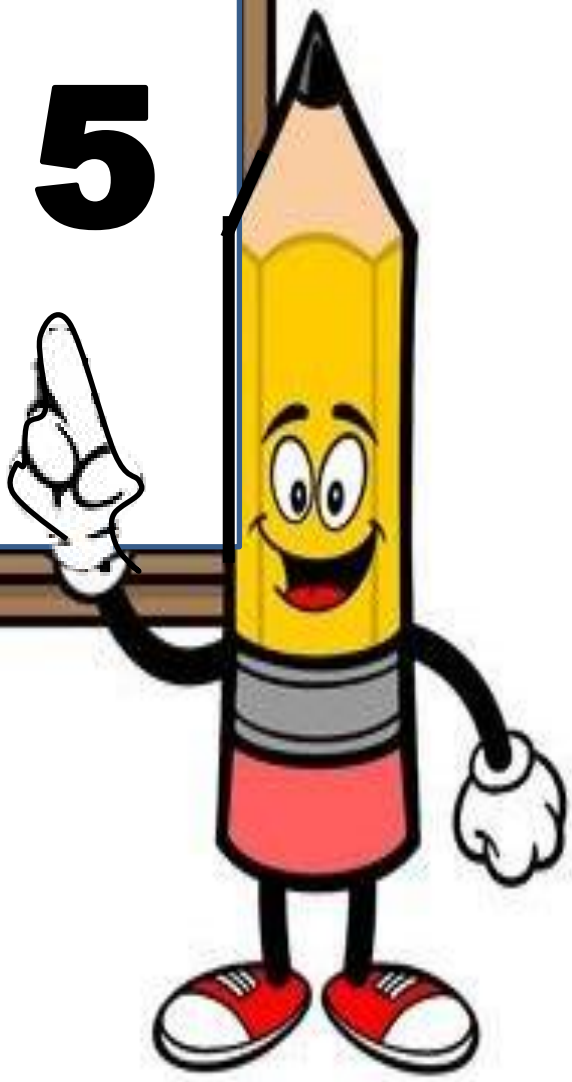
Day # 5



LEQ: How can I add to compose larger units twice?

Objective: I can use the standard algorithm to add to compose larger units twice.

Vocabulary:

- Standard Algorithm
- Place Value
- Compose
- Regroup or Rename Units

Name: _____ Week 11 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Do Now: Find the sum

a.		4	2		b.		1	9		c.		8	4		
	+	3	4			+	3	0			+	1	5		
		76													
d.		2	1		e.		5	4		f.		9	2		
	+	4	7			+	1	2			+		5		
g.		3	7		h.		4	6		i.		8	0		
	+	2	1			+	1	3			+	1	7		
j.		7	3		k.		4	7		l.		6	6		
	+		3			+	2	0			+	1	3		
m.		2	4		n.		1	3		o.		5	2		
	+	4	4			+	3	5			+	4	3		

Name: _____ Week 11 Day 5 Date: _____

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Input (My Turn):

1. Find the sums below.

<table>
<tr><td>a. 697 g + 138 g

697
+ 138
835g</td><td>b. 345 g + 597 g</td><td>c. 486 g + 497 g</td></tr>
<tr><td colspan="2">d. 3 L 251 mL + 1 L 549 mL</td><td>e. 4 kg 384 g + 2 kg 467 g</td></tr>
</table>

Name: _____ Week 11 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Find the sums below.

a. 52 mL + 68 mL $\overset{1}{52}$ $+\ 68$ 120mL	b. 352 mL + 68 mL	c. 352 mL + 468 mL
d. 56 cm + 94 cm	e. 506 cm + 94 cm	f. 506 cm + 394 cm
e. 2 L 551 mL + 3 L 359 mL	f. 3 kg 248 g + 1 kg 167 g	

Name: _____ Week 11 Day 5 Date: _____

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Input (My Turn):

2. A third-grade class sells lemonade to raise funds. After selling 38 liters of lemonade in 1 week, they still have 74 liters of lemonade left. How many liters of lemonade did they have at the beginning?

Problem Set (Your Turn):

2. A second-grade class sells iced tea to raise funds. After selling 56 liters of iced tea in 1 week, they still have 49 liters of iced tea left. How many liters of iced tea did they have at the beginning?

Name: _____ Week 11 Day 5 Date: _____

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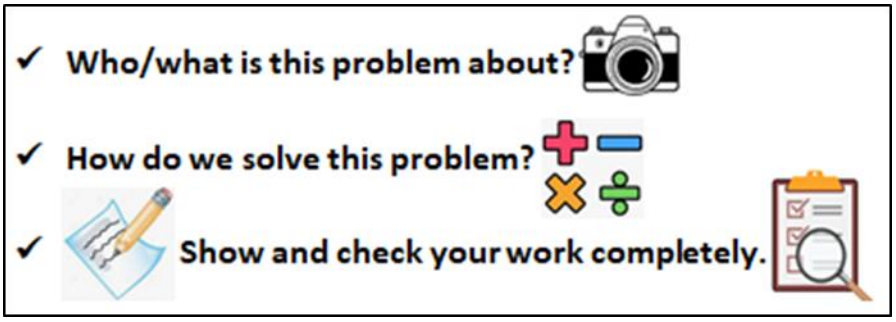
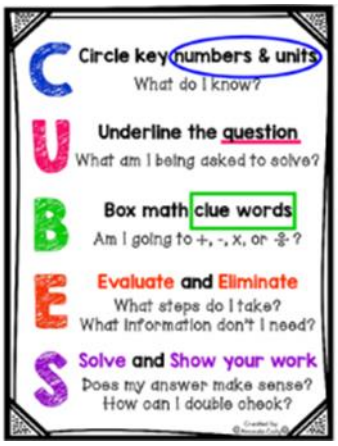




Application:

The milk carton to the right holds 183 milliliters more liquid than the juice box. What is the total capacity of the juice box and milk carton?

Juice Box
279 mL

Milk Carton
? mL

Name: _____ Week 11 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

1. Find the sums.

a. 78 g + 29 g	b. 328 kg + 289 kg	c. 509 L + 293 L

2. A third-grade class sells hot cocoa to raise funds. After selling 37 liters of hot cocoa in 1 week, they still have 66 liters of hot cocoa left. How many liters of hot cocoa did they have at the beginning?

Name: _____ Week 11 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Find the sums below.

a. 47 m + 8 m

$$\begin{array}{r} {}^{1} \\ 47 \\ +\ 08 \\ \hline 55\text{m} \end{array}$$

b. 47 m + 38 m

c. 147 m + 383 m

d. 63 mL + 9 mL

e. 463 mL + 79 mL

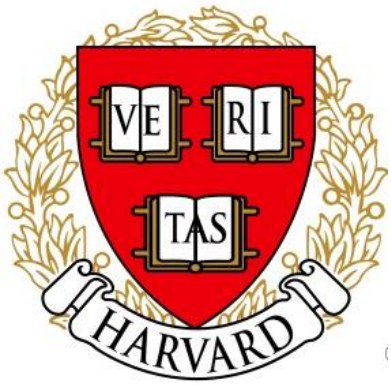
f. 463 mL + 179 mL

2. Mrs. Mercado roasts a turkey for 55 minutes. She checks it and decides to roast it for an additional 46 minutes. For how long does Mrs. Mercado roast the turkey?

Name _____

3rd Grade Modified Math Remote Learning Packet

Week 12



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.

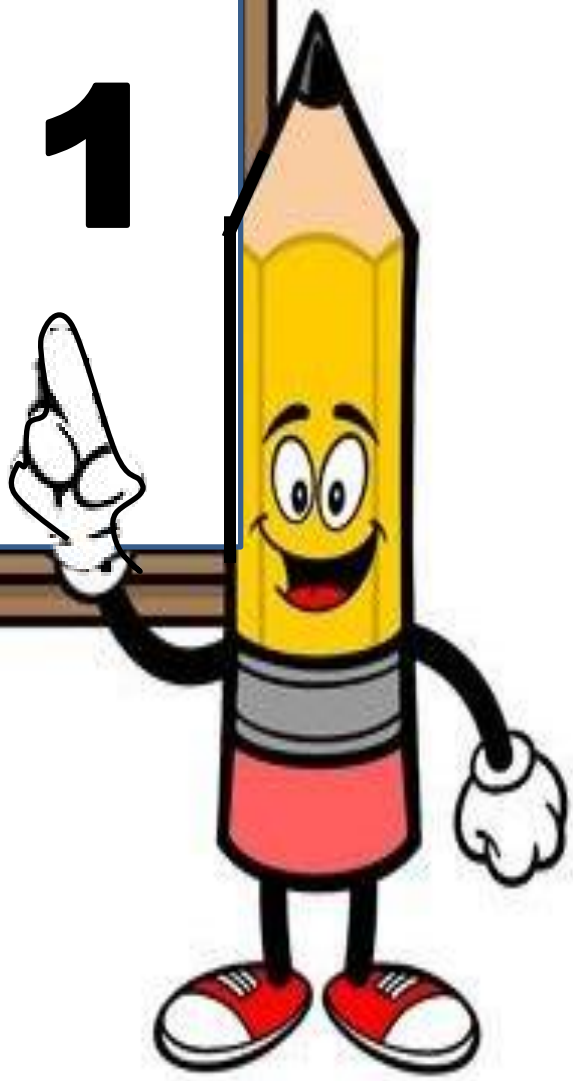
_____ _____

(Parent Signature) (Date)

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

Brighter Choice
Charter School for Boys

Day # 1



LEQ: How can I use rounding to estimate sums?

Objective: I can round the addends in an addition sentence to estimate sums.

Vocabulary:

- Estimate
- Addends
- Sums
- Round
- Precise

Name: _____ Week 12 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:

Round to the Nearest Ten

1.	11 ≈	10
2.	21 ≈	
3.	31 ≈	
4.	71 ≈	
5.	69 ≈	
6.	59 ≈	
7.	49 ≈	
8.	19 ≈	
9.	26 ≈	
10.	24 ≈	
11.	46 ≈	
12.	44 ≈	
13.	87 ≈	
14.	83 ≈	
15.	78 ≈	
16.	72 ≈	
17.	15 ≈	
18.	25 ≈	
19.	35 ≈	
20.	75 ≈	
21.	85 ≈	
22.	45 ≈	

23.	79 ≈	80
24.	89 ≈	90
25.	99 ≈	
26.	109 ≈	
27.	119 ≈	
28.	159 ≈	
29.	211 ≈	
30.	311 ≈	
31.	418 ≈	
32.	518 ≈	
33.	528 ≈	
34.	538 ≈	
35.	568 ≈	
36.	968 ≈	
37.	978 ≈	
38.	988 ≈	
39.	998 ≈	
40.	1,108 ≈	
41.	1,118 ≈	
42.	2,337 ≈	
43.	4,578 ≈	
44.	8,785 ≈	

Name: _____ Week 12 Day 1 Date: _____

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Input (My Turn):

To reason about estimated sums, we can round the _____ to the nearest ten or hundred. We can use the standard algorithm to find the actual sums and determine which one is more _____ or closer to the actual sum.

1. Find the actual **sum** using the **standard algorithm**. Then, round each addend to the nearest ten and hundred to find the estimated sums.

	Actual	**Nearest Ten**	**Nearest Hundred**
441 + 238 = _____	441 + 238 679	680	700
308 + 254 = _____			

Name: _____ Week 12 Day 1 Date: _____

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Problem Set (Your Turn):

1. Find the actual sum using the standard algorithm. Then, round each addend to the nearest ten and hundred to find the estimated sums.

	Actual	Nearest Ten	Nearest Hundred
652 + 158 = _____			
376 + 214 = _____			
366 + 234 = _____			

Name: _____ Week 12 Day 1 Date: _____

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Input (My Turn):

2. Nahjaleek practices the guitar for a total of 268 minutes during the first week of school. He practices for 135 minutes during the second week.

a. **Estimate** the total amount of time Nahjaleek practices by rounding to the nearest 10 minutes.

b. Estimate the total amount of time Nahjaleek practices by rounding to the nearest 100 minutes.

c. Which estimate is closest to the actual sum?

Name: _____ Week 12 Day 1 Date: _____

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Problem Set (Your Turn):

2. Ahmed practices the piano for a total of 309 minutes during the first week of school. He practices for 185 minutes during the second week.

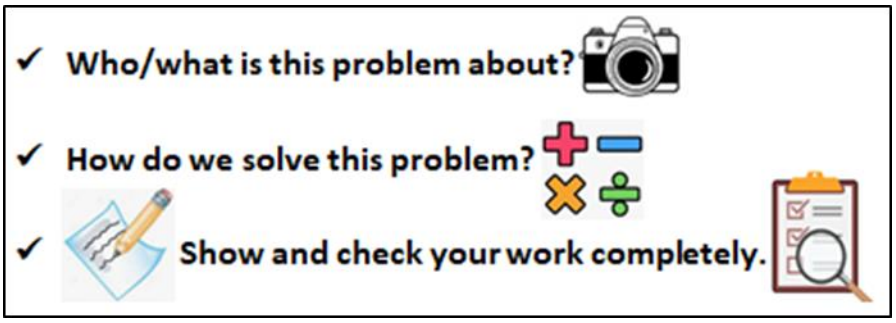
a. **Estimate** the total amount of time Ahmed practices by rounding to the nearest 10 minutes.

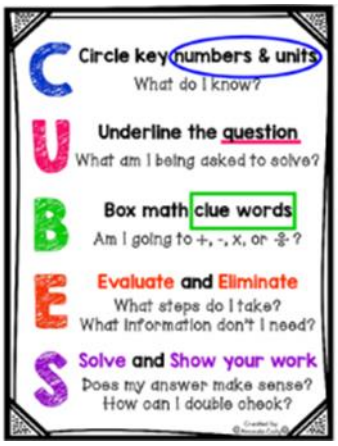
b. **Estimate** the total amount of time Ahmed practices by rounding to the nearest 100 minutes.

c. Which **estimate** is closest to the actual **sum**?

Name: _____ Week 12 Day 1 Date: _____

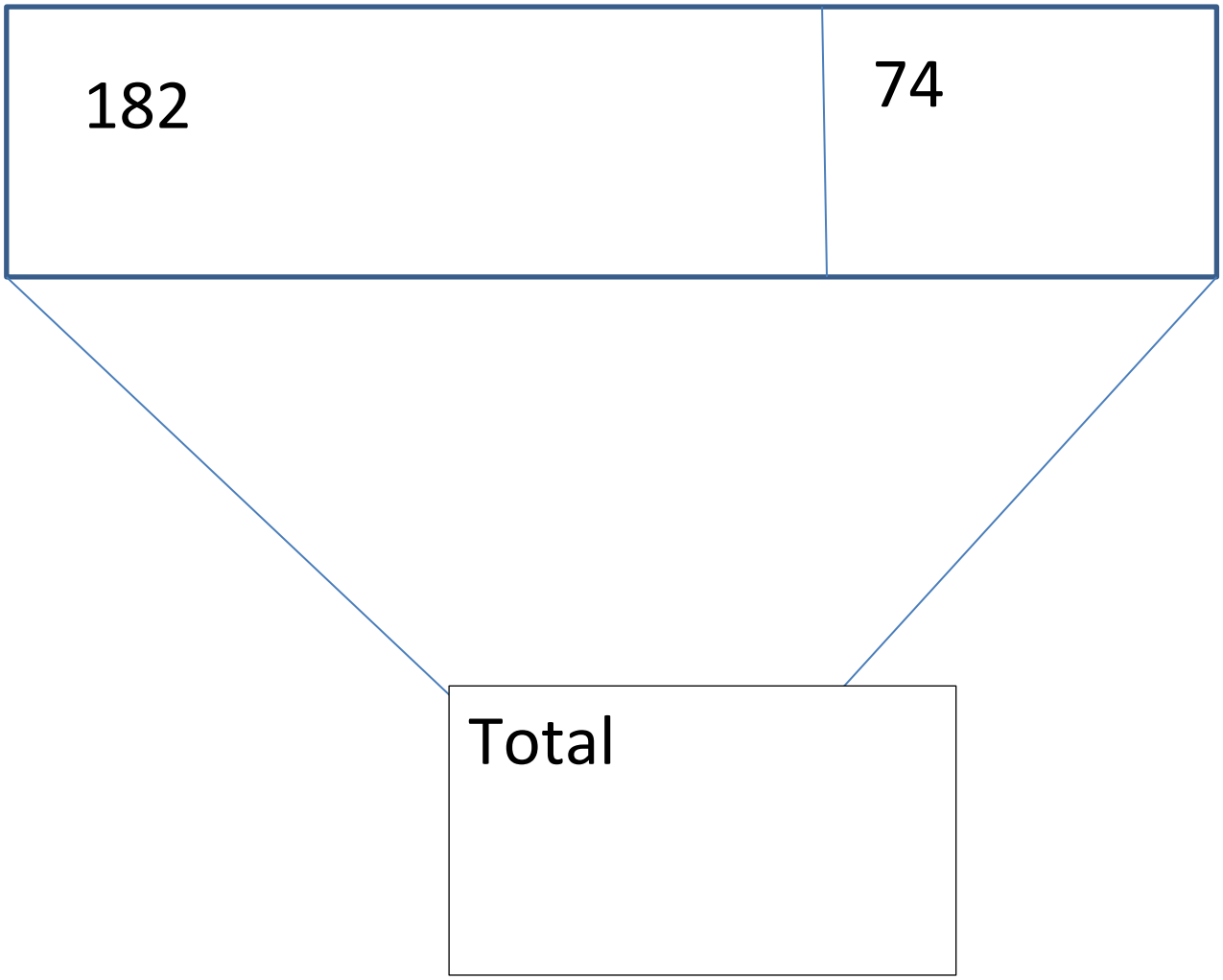
BCCS-B Harvard Yale Princeton





Application:

Sadie, a bear at the zoo, weighs 182 kilograms. Her cub weighs 74 kilograms. What is the actual weight of Sadie and her cub? Model the problem with a tape diagram.



Name: _____ Week 12 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Zaymir practices the trumpet for a total of 165 minutes during the first week of school. He practices for 245 minutes during the second week.

a. **Estimate** the total amount of time Zaymir practices by rounding to the **nearest 10 minutes**.

b. **Estimate** the total amount of time Zaymir practices by rounding to the **nearest 100 minutes**.

c. Which **estimate** is closest to the actual sum?

Name: _____ Week 12 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Find the actual sum using the standard algorithm. Then, round each addend to the nearest ten and hundred to find the estimated sums.

	Actual	Nearest Ten	Nearest Hundred
354+ 188 = ____	$\begin{array}{r} {\scriptstyle 1}\ {\scriptstyle 1} \\ 354 \\ +\ 188 \\ \hline 542 \end{array}$	540	500

2. Deena reads for 361 minutes during Week 1 of her school's two-week long Read-A-Thon. She reads for 212 minutes during Week 2 of the Read-A-Thon.

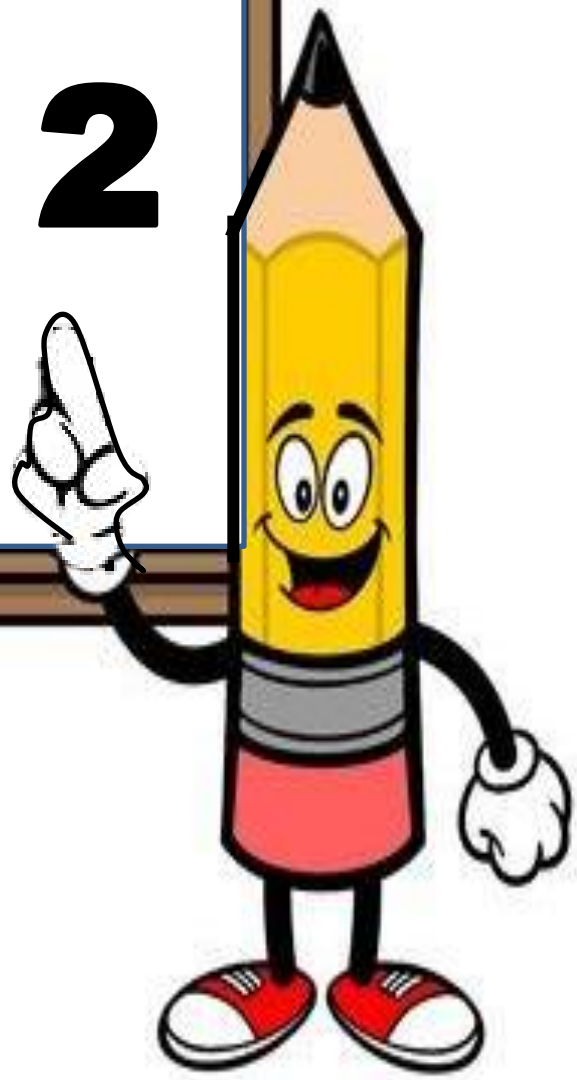
a. **Estimate** the total amount of time Deena reads by **rounding** to the nearest 10 minutes.

b. **Estimate** the total amount of time Deena reads by rounding to the nearest 100 minutes.

c. Which **estimate** is closest to the actual **sum**?

Brighter Choice
Charter School for Boys

Day # 2



LEQ: How can I subtract measurements including three-digit minuends with zeros in the tens or ones place?

Objective: I can decompose to subtract measurements including three-digit minuends with zeros in the tens or ones place.

Vocabulary:

- Decompose
- Unbundle
- Ones, Tens
- Subtrahend
- Minuend
- Difference

Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Do Now: Pick 10

Subtract

0 13

13 − 5 = 08	11 − 9 = ____	14 − 4 = ____	9 − 6 = ____
14 − 9 = ____	5 − 4 = ____	19 − 9 = ____	13 − 10 = ____
16 − 8 = ____	7 − 2 = ____	11 − 2 = ____	18 − 10 = ____
12 − 6 = ____	6 − 3 = ____		

11 − 5 = ____ 15 − 6 = ____

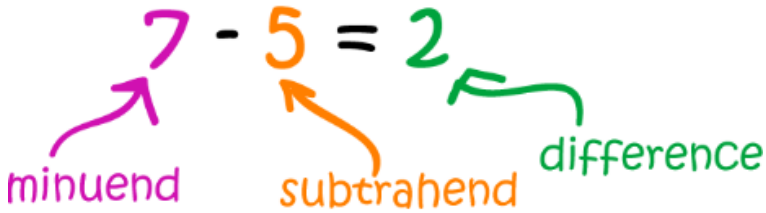
20 − 10 = ____ 14 − 7 = ____

16 − 7 = ____ 12 − 9 = ____

Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):



In subtraction, the _____ is the amount that we start with and the first number in an equation. The _____ is the number being subtracted from the minuend. The difference is the _____. When subtracting with minuends with zeros in the tens or ones place, we need to decompose or _____ the ones into tens and the tens into hundreds.

1. Solve the subtraction problems below.

a. 60 mL – 24 mL 5 10 ~~60~~ - 24 36mL	b. 360 mL – 24 mL	c. 360 mL – 224 mL

Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Solve the subtraction problems below.

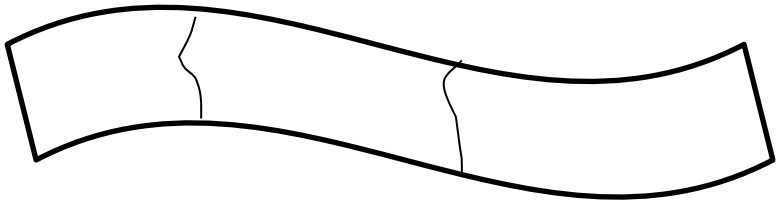
a. 518 cm – 21 cm 4 11 ~~5~~18 – 021 499cm	b. 629 cm – 268 cm	c. 938 cm – 440 cm
d. 307 g – 130 g	e. 307 g – 234 g	f. 807 g – 732 g

Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

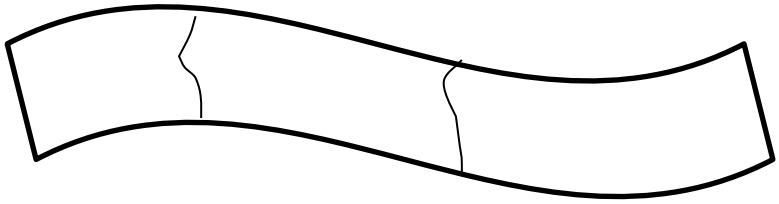
Input (My Turn):

2. The total length of a banner is 306 centimeters. Messiah paints it in 3 sections. The first 2 sections he paints are 145 centimeters long altogether. How long is the third section?



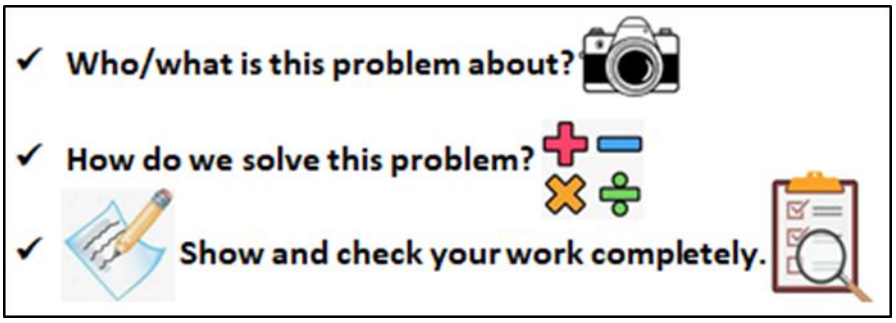
Problem Set (Your Turn):

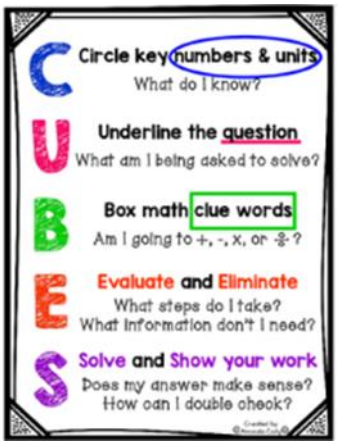
2. The total length of a banner is 509 centimeters. Jeremiah paints it in 3 sections. The first 2 sections he paints are 364 centimeters long altogether. How long is the third section?



Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

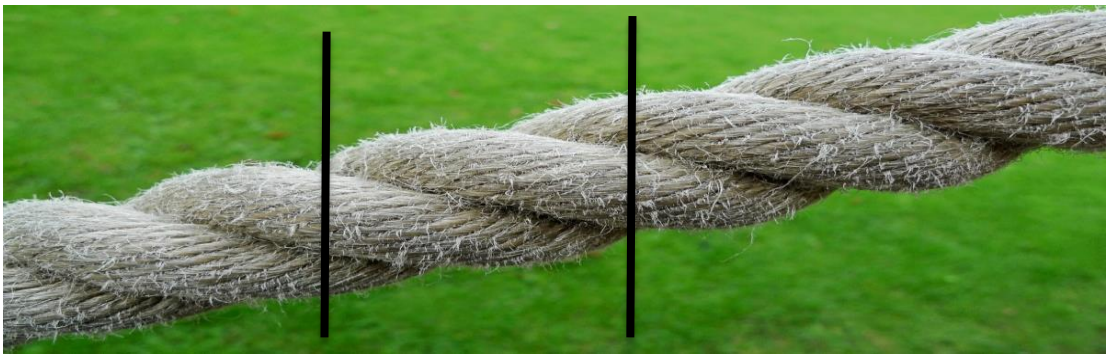




Application:

The total length of a rope is 208 centimeters. Dayshawn cuts it into 3 pieces. The first piece is 80 centimeters long. The second piece is 94 centimeters long.

How long is the third piece of rope?



Name: _____ Week 12 Day 2 Date: _____

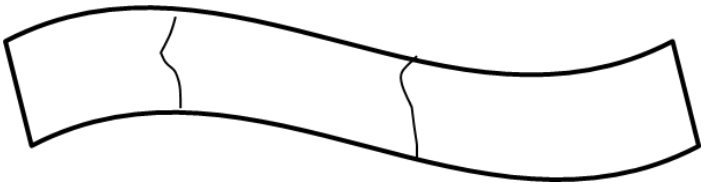
BCCS-B Harvard Yale Princeton

Exit Ticket:

1. Solve the subtraction problems below.

a. 381 mL − 146 mL	b. 730 m − 426 m	c. 509 kg − 384 kg

2. The total length of a banner is 408 centimeters. Carlos paints it in 3 sections. The first 2 sections he paints are 187 centimeters long altogether.
How long is the third section?



Name: _____ Week 12 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Solve the subtraction problems below.

a. 70 L – 46 L 6 10 ~~7~~0 – 46 26L	b. 370 L – 46 L	c. 370 L – 146 L
d. 607 cm – 32 cm	e. 592 cm – 258 cm	f. 918 cm – 553 cm

2. The magazine weighs 280 grams **less** than the newspaper. The weight of the newspaper is shown below. How much does the magazine weigh?


Brighter Choice
Charter School for Boys
Day # 3

LEQ: How can I subtract measurements including three-digit minuends with zeros in the tens and ones places?

Objective: I can decompose twice to subtract measurements including three-digit minuends with zeros in the tens and ones places.

Vocabulary:

- Decompose
- Subtrahend
- Minuend
- Difference

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Do Now: Subtract to find the difference.

5 − 4 = 1	15 − 14 = 01	2 − 1 =	8 − 1 =
6 − 3 =	4 − 2 =	7 − 6 =	92 − 41 =
2 − 2 =	3 − 3 =	74 − 33 =	5 − 4 =
98 − 81 =	4 − 2 =	1 − 1 =	38 − 6 =
44 − 43 =	3 − 2 =	7 − 2 =	47 − 2 =

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

1. Solve the subtraction problems below.

a. 340 cm – 60 cm	b. 513 g – 148 g	c. 6 km 802 m – 2 km 569 m
2 14 ~~3~~40 – 060 280cm		

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Solve the subtraction problems below.

a. 700 ml – 52 mL 6 9 7~~0~~0 10 – 052 648mL	b. 700 mL – 452 mL	c. 5 L 920 mL – 3 L 869 mL
d. 340 cm – 260 cm	e. 641 g – 387 g	d. 7 L 300 mL – 3 L 169 mL

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

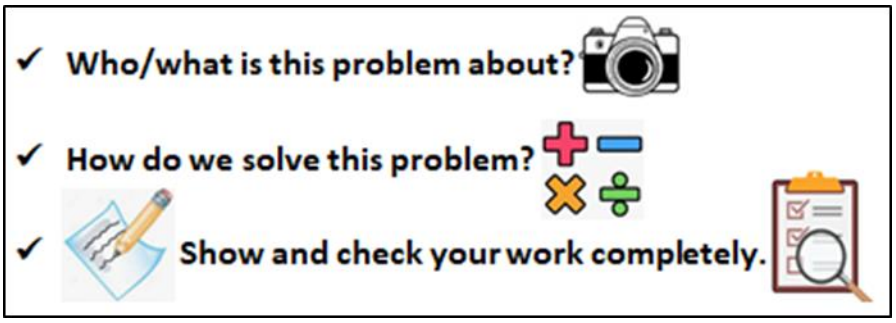
2. The farmer's cow weighs 147 kilograms less than the farmer's pig. The pig weighs 700 kilograms. How much does the cow weigh?

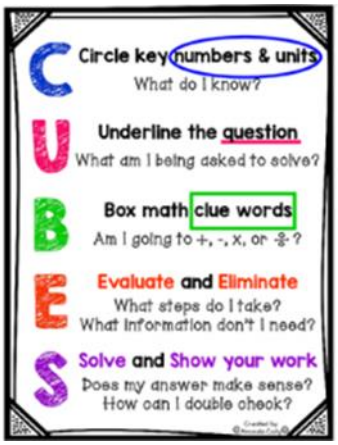
Problem Set (Your Turn):

2. The farmer's goat weighs 271 kilograms less than the farmer's pig. The pig weighs 500 kilograms. How much does the goat weigh?

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton





Application:

Tank A holds 165 fewer liters of water than Tank B. Tank B holds 400 liters of water. How much water does Tank A hold?

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

1. Solve the subtraction problems below.

a. 340 m − 187 m	b. 700 kg − 592 kg

2. The farmer's sheep weighs 647 kilograms less than the farmer's cow. The cow weighs 725 kilograms. How much does the sheep weigh?

Name: _____ Week 12 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

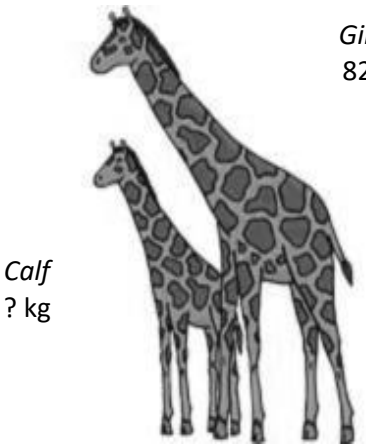
Homework:

1. Solve the subtraction problems below.

a. 280 g – 90 g	b. 450 g – 284 g	c. 900 g – 58 g
1 18 ~~2~~80 – 090 190g		

2. The total weight of a giraffe and her calf is 904 kilograms.
How much does the calf weigh?

_____




Brighter Choice
Charter School for Boys
Day # 4

LEQ: How can I estimate differences?

Objective: I can round to estimate differences.

Vocabulary:

- Round
- Estimate
- Differences
- Precise
- Minuend
- Subtrahend
- Reasonable

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Do Now: Round to the nearest **hundred**. **Pick 10**

101 ≈	100
201 ≈	
301 ≈	
701 ≈	
1,701 ≈	
2,701 ≈	
3,701 ≈	
8,701 ≈	
190 ≈	
290 ≈	
390 ≈	
790 ≈	
1,790 ≈	
2,790 ≈	
3,790 ≈	
8,790 ≈	
412 ≈	
2,412 ≈	
523 ≈	
3,523 ≈	
877 ≈	
4,877 ≈	

250 ≈	
1,250 ≈	
350 ≈	
5,350 ≈	
750 ≈	
6,750 ≈	6800
649 ≈	
652 ≈	
692 ≈	
792 ≈	
892 ≈	
992 ≈	
996 ≈	
999 ≈	
9,999 ≈	
4,049 ≈	
2,051 ≈	
7,350 ≈	
4,572 ≈	
8,754 ≈	
3,915 ≈	
9,997 ≈	

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

1. Find the actual difference using the standard algorithm. Then, round to find the estimated differences. Circle the most precise.

448 – 153 = _____		
Actual	Subtrahend Nearest Hundred	Subtrahend and Minuend Nearest Ten
448 -153		
747 – 261 = _____		
Actual	Subtrahend Nearest Hundred	Subtrahend and Minuend Nearest Ten

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Find the actual difference using the standard algorithm. Then, round to find the estimated differences. Circle the most precise.

645 − 129 = _____		
Actual	Subtrahend Nearest Hundred	Subtrahend and Minuend Nearest Ten
645 − 129		
807 − 254 = _____		
Actual	Subtrahend Nearest Hundred	Subtrahend and Minuend Nearest Ten

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

2. Mrs. Blomgren buys a total of 318 grams of frozen yogurt for herself and a friend. She buys **1 large cup and 1 small cup.**

Large Cup	162 grams
Small Cup	? grams

a. **Estimate** how many grams are in the small cup of yogurt by **rounding to the nearest ten**.

b. How many grams are actually in the small cup of yogurt?

c. Is your answer reasonable? Which **estimate** was closer to the exact weight? Explain why.

_____

_____

_____

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

2. Ms. Ramirez buys a total of 611 grams of frozen yogurt for herself and a friend. She **buys 1 large cup and 1 small cup**.

Large Cup	325 grams
Small Cup	? grams

a. **Estimate** how many grams are in the small cup of yogurt by **rounding to the nearest ten**.

b. How many grams are actually in the small cup of yogurt?

c. Is your answer reasonable? Which **estimate** was closer to the exact weight? Explain why.

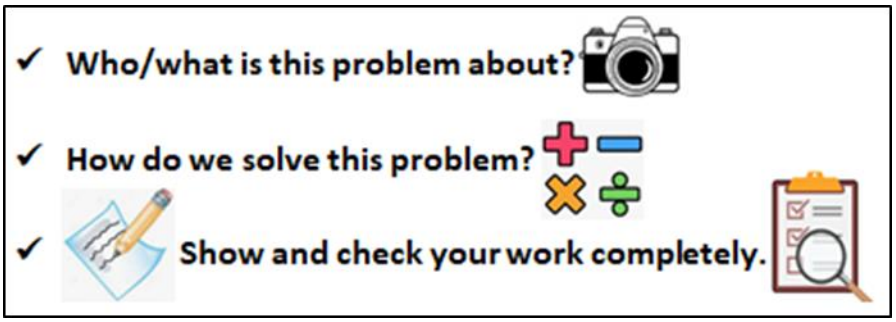
_____

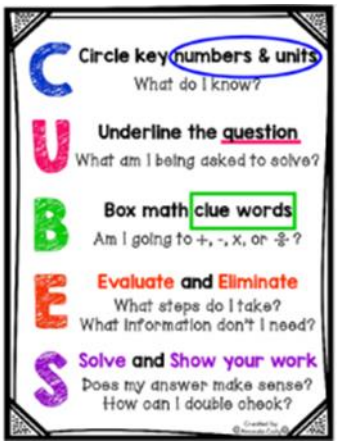
_____

_____

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton





Application:

Emperor uses a total of 372 liters of gas in two months. He uses 184 liters of gas in the first month. How many liters of gas does he use in the second month?

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Mrs. Page buys a total of 522 grams of frozen yogurt for herself and a friend. She buys 1 large cup and 1 small cup.

Large Cup	219 grams
Small Cup	? grams

a. Estimate how many grams are in the small cup of yogurt by rounding to the nearest ten.

b. How many grams are actually in the small cup of yogurt?

c. Is your answer reasonable? Which estimate was closer to the exact weight? Explain why.

_____

_____

_____

Name: _____ Week 12 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Find the actual difference using the standard algorithm. Then, round to find the estimated differences. Circle the most precise.

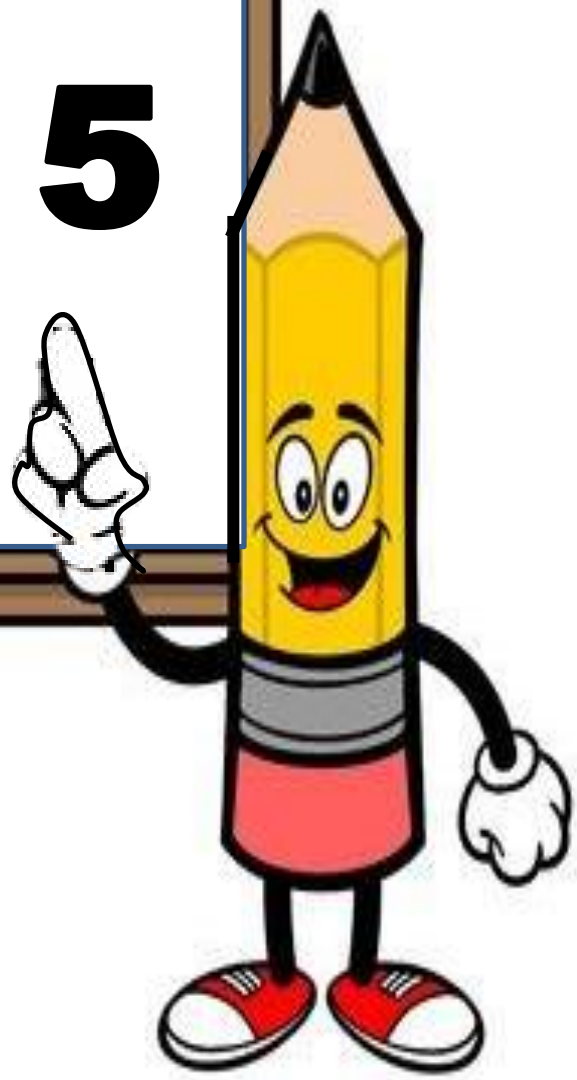
457 – 209 = _____		
Actual	Subtrahend Nearest Hundred	Subtrahend and Minuend Nearest Ten
457 – 209		

2. The weight of a chicken leg, steak, and ham are shown to the right. The chicken and the steak together weigh 341 grams. How much does the ham weigh?

989 grams

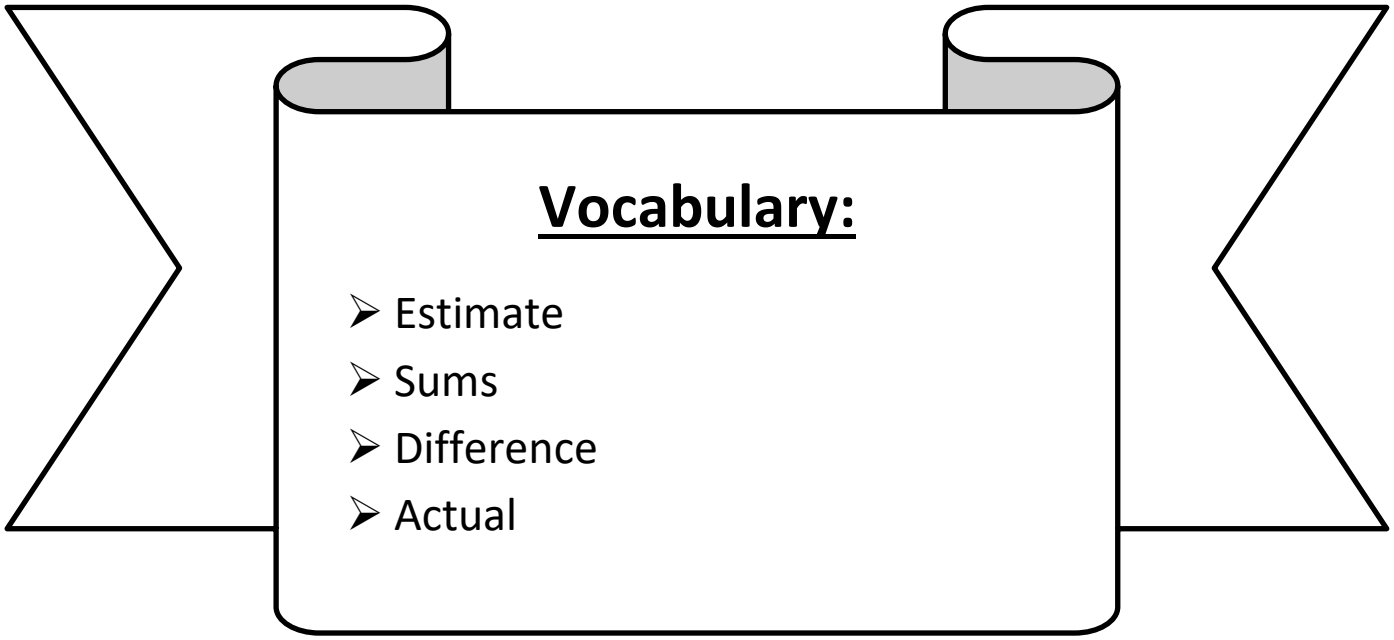
Brighter Choice
Charter School for Boys

Day # 5



LEQ: How can I estimate sums and differences of measurements in word problems?

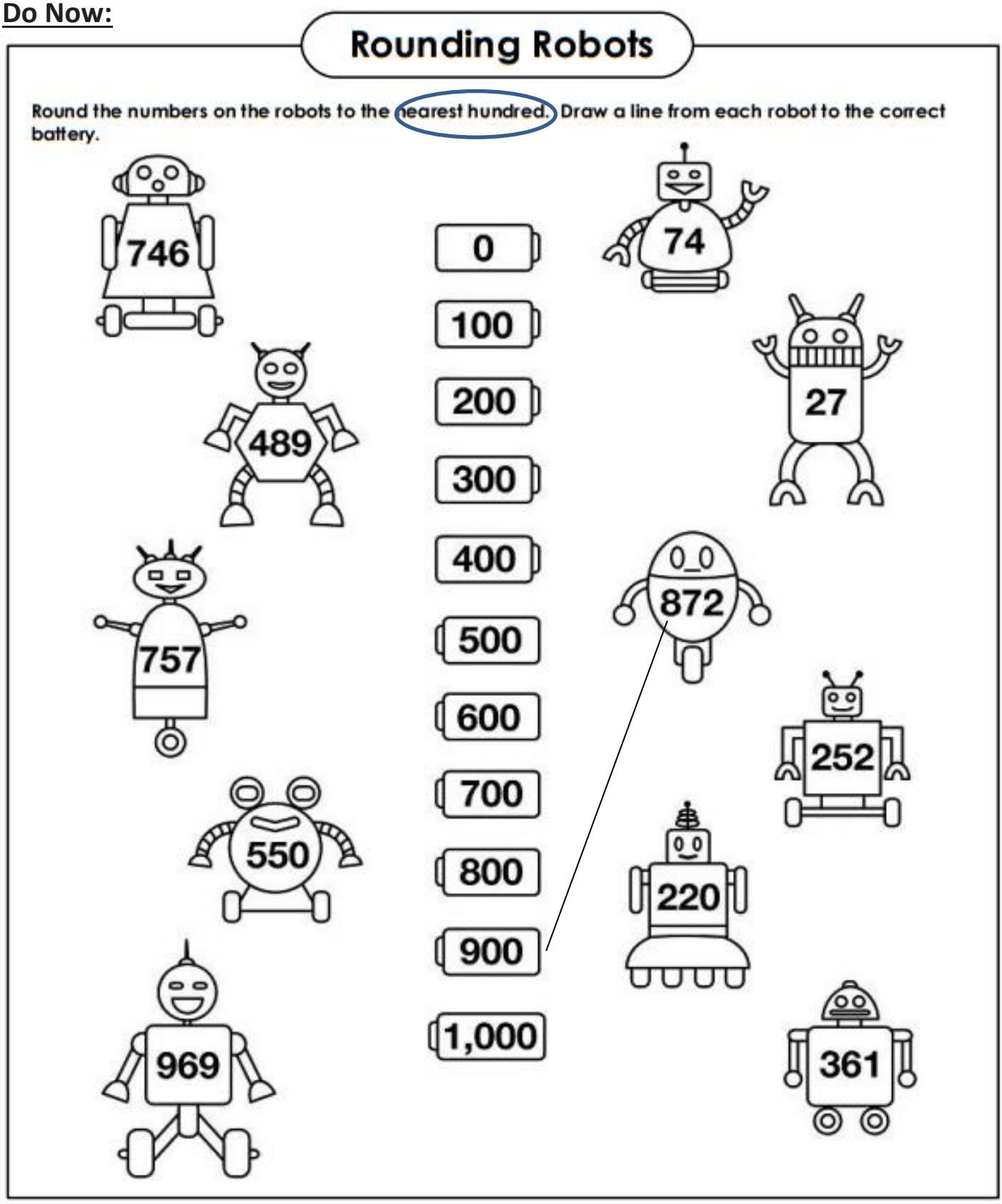
Objective: I can use CUBES and round to estimate sums and differences of measurements.



Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:



Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

1. Mason drinks water at every meal. At breakfast, he drinks 247 milliliters. At lunch, he drinks 300 milliliters. At dinner, he drinks 183 milliliters.

   a. **Estimate the total** amount of water Mason drinks. Then, find the actual amount of water he drinks at all three meals.

Estimate	Actual

   b. **Estimate how much more** water Mason drinks at lunch than at dinner. Then, find how much more water Mason actually drinks at lunch than at dinner.

Estimate	Actual

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Kenny drinks water at every meal. At breakfast, he drinks 224 milliliters. At lunch, he drinks 400 milliliters. At dinner, he drinks 182 milliliters.

   a. **Estimate** the total amount of water Kenny drinks. Then, find the actual amount of water he drinks at all three meals.

Estimate	Actual

   b. **Estimate how much more** water Kenny drinks at lunch than at dinner. Then, find how much more water Kenny actually drinks at lunch than at dinner.

Estimate	Actual

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

2. There are 143 milliliters of juice in 1 carton. A three-pack of juice boxes contains a total of 429 milliliters.

a. **Estimate,** and then find the actual total amount of juice in 1 carton and in a three-pack of juice boxes.

143 mL + 429 mL ≈ _____ + _____ =_____

143 mL + 429 mL = _____

b. **Estimate**, and then find the actual **difference** between the amount in 1 carton and in a three-pack of juice boxes.

429 mL − 143 mL ≈ _____ − _____ = _____

429 mL − 143 mL = _____

Write the problem vertically

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

2. There are 136 milliliters of lemonade bottles. A three-pack of lemonade bottles contains a total of 408 milliliters.

a. Estimate, and then find the actual total amount of 1 bottle and in a three-pack of lemonade bottles.

136 mL + 408 mL ≈ _____ + _____ =_____

136 mL + 408 mL = _____

Write the problems vertically

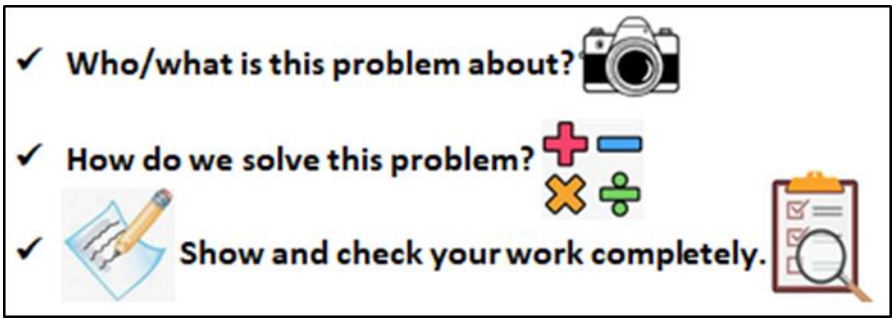
b. **Estimate**, and then find the actual **difference** between the amount in 1 bottle and in a three-pack of lemonade bottles.

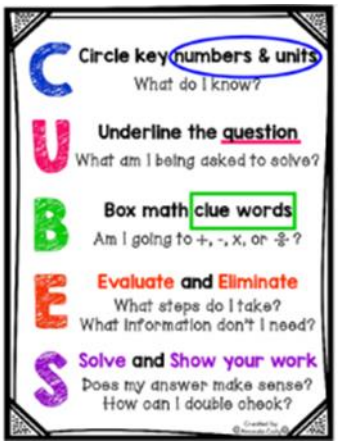
408 mL − 136 mL ≈ _____ − _____ = _____

408 mL − 136 mL = _____

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton





Application:

Mr. Williams owns a gas station. He sells 367 liters of gas in the morning, 300 liters of gas in the afternoon, and 219 liters of gas in the evening. **Estimate**, and then find the actual **difference** between the amount of gas Mr. Williams sells in the morning and the amount he sells in the evening.

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

1. Gionni drinks water at every meal. At breakfast, he drinks 232 milliliters. At lunch, he drinks 300 milliliters. At dinner, he drinks 174 milliliters.

a. Estimate the total amount of water Gionni drinks. Then, find the actual amount of water he drinks at all three meals.

Estimate	Actual

b. Estimate how much more water Gionni drinks at lunch than at dinner. Then, find how much more water Gionni actually drinks at lunch than at dinner.

Estimate	Actual

Name: _____ Week 12 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. There are 143 milliliters of juice in 1 carton. A three-pack of juice boxes contains a total of 429 milliliters.

   a. **Estimate,** and then find the actual total amount of juice in 1 carton and in a three-pack of juice boxes.

   143 mL + 429 mL ≈ _____ + _____ =_____

   143 mL + 429 mL = _____

   Write the problem vertically.

   b. **Estimate,** and then find the actual difference between the amount in 1 carton and in a three-pack of juice boxes.

   429 mL − 143 mL ≈ _____ − _____ = _____

   429 mL − 143 mL = _____

2. The lengths of three banners are shown to the right.

   a. Estimate, and then find the actual total length of Banner A and Banner C.

Banner A	437 cm
Banner B	457 cm
Banner C	332 cm