Name_____

5th 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.

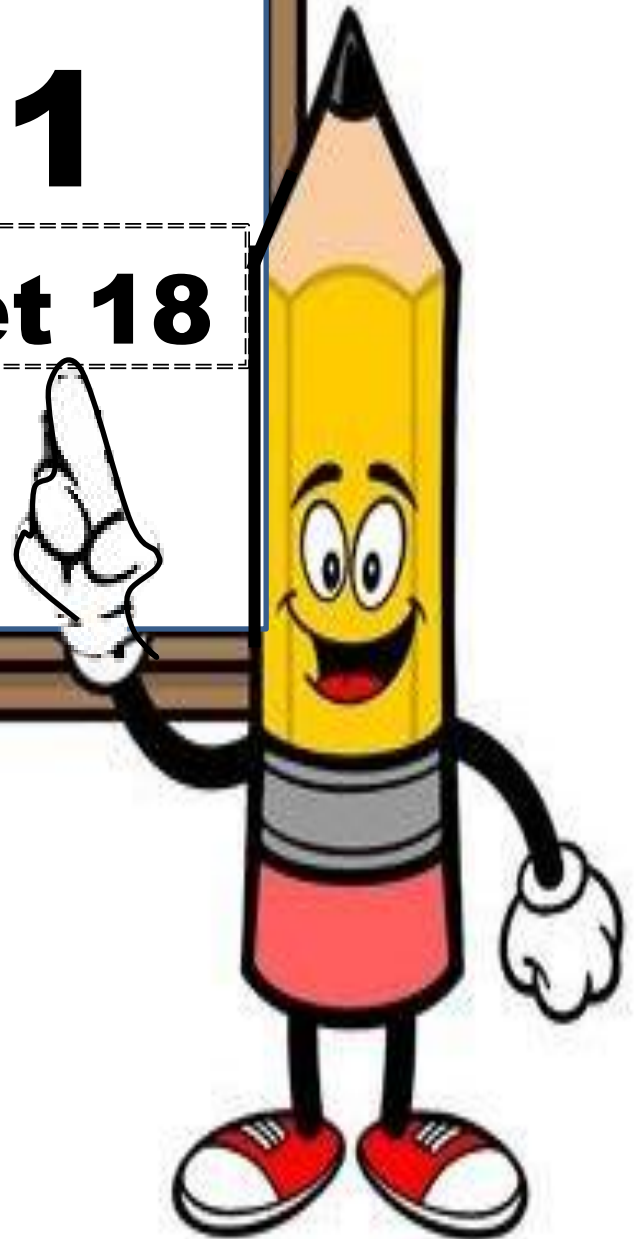_____   _____
(Parent Signature)   (Date)

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.

Day # 1

Mod 2 Packet 18

Brighter Choice Charter School for Boys

Name:_____ Week 11 Day 1 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Divide.

1,400 ÷ 70	28,000 ÷ 400
35,000 ÷ 50	630,000 ÷ 700

Input Activity:

Estimating Quotients – Two Digit Divisors

Problem 1:

402 ÷ 19

Steps:	Example:
	402 ÷ 19
1. _____ a division garage.	
2. _____ the _____ to its _____ digit.	
3. List the _____ of the rounded _____ to find a_____ number the divisor can go into.	
• **Pick the multiple that is closest to the actual dividend to become your estimated dividend.**	
4. _____ using DMSCB.	

Problem 2

149 ÷ 71

Problem 3

427 ÷ 58

Problem 4

293 ÷ 42

Problem 5

751 ÷ 93

Problem Set:

826 ÷ 37	141 ÷ 73

Application Problem

A video game store has a budget of $825, and would like to purchase new video games. If each video game costs $41, estimate the total number of video games the store can purchase with its budget.
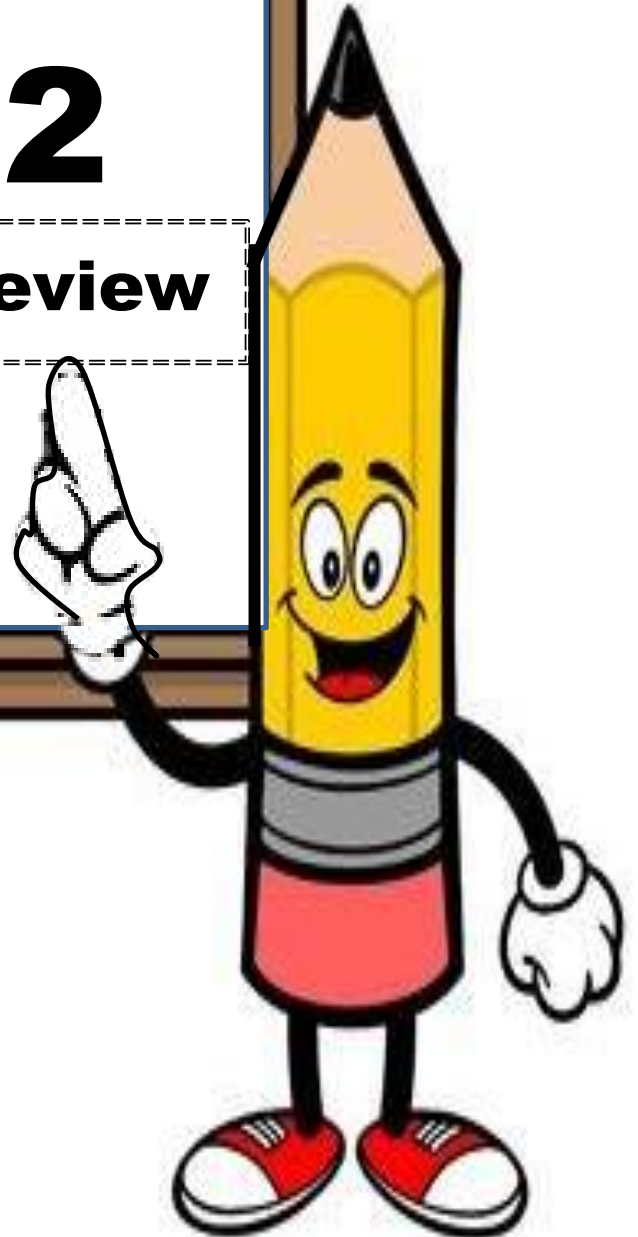
Exit Ticket

$608 \div 23$	$913 \div 31$

Day # 2

Brighter Choice
Charter School for Boys

Mod 2 Mid Mod Review

Name:_____ Week 11 Day 2 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Convert 12.5 lbs to oz.(Use conversion table)

1 lb = _____oz

12.5lbs x _____oz

_____oz

Convert 5.2 ft to inches.

1 ft = _____in

5.2 ft x _____ in

_____in

Module 2 Mid-Module Review

1. Which expression is equivalent to 50?

    A. (75 x 2) – 30

    B. (100 – 50) x 2

    C. 100 – (25 x 2)

    D. 2 x (15 x 2)

2. Which phrase is represented by the expression?

    2 + (15 x 5)

    A. the sum of 15 and 5 increased by 2

    B. the product of 15 and 5 multiplied by 2

    C. the sum of 2 and 15 multiplied by 5

    D. the product of 15 and 5 increased by 2

3. What measurement is equivalent to 15 yards?

    A. 45 feet

    B. 36 feet

    C. 50 feet

    D. 25 feet

Solve by using standard algorithm, lattice method, partial product or area model.

90 x 89   1.72 x 21

462 x 206   5.31 x 3

Compare the following:

15 x 2 ◯ 2 fives tripled

60 x 4 ◯ 5 x (6 x 7)

Convert the following.

a. Yards to Feet

    2.34 yards = _____feet

b. Kilometers to Meters

    8.64 kilometers = _____ meters

Write the expression and solve:

The sum of 20 and 12, and then multiply by 4

Expression_____

Solve:

Answer_____

Write the expression:
The difference of 40 and 15, and then multiply by 6

Expression_____

Solve:

Answer_____

What is equivalent to the expression (2 x 9) + (3 x 4)?

   A. The difference of 2 nines and 3 fours

   B. The sum of 2 nines and 3 fours

   C. 2 times nine and 3 times four

   D. Eighteen multiplied by 30

What is 356 pounds converted to ounces?

_____ ounces

Devon made fruit punch by adding 6.08 milliliters of fruit juice and 3.02 milliliters of water together. Equal amounts of the whole mixture were poured into 2 pitchers. How much of the mixture, in milliliters, did he pour into each pitcher?

_____ milliliters

Jacob needs to add 10 cups of water to the pot in order to cook pasta. He added 56 ounces of water already. How much more water does Jacob need to add?
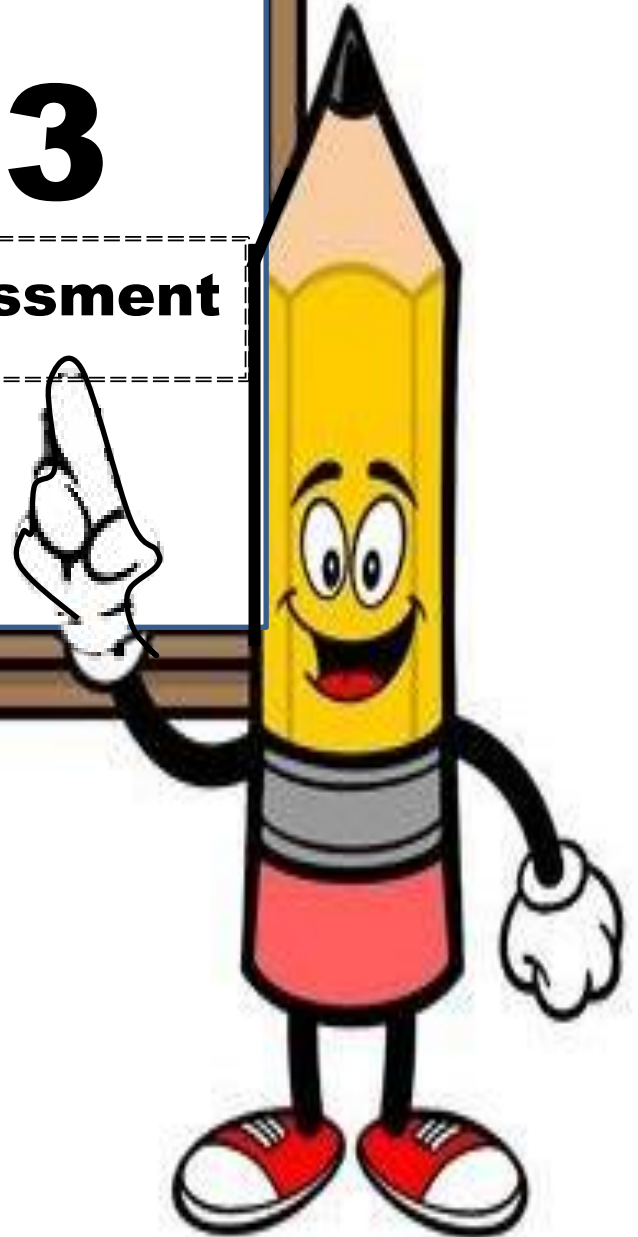
Answer _____

Movie tickets cost $9.25 each and large popcorn costs $7.75 each. What is the total cost of 5 movie tickets and 2 orders of large popcorn?

Answer: $_____

Day # 3

Brighter Choice Charter School for Boys

Mod 2 Mid Mod Assessment

Name:_____ Week 11 Day 3 Date:_____

BCCS-Boys   Stanford   MIT

Module 2 Mid-Module Assessment

Directions: Make sure to show *all* your work and complete each part. Good luck! ☺

_____1.   Which expression is equivalent to 32? (5.OA.1)

A. (30 + 6) ÷ 3

B. 2 x (9 +7)

C. 9 x (3 + 5)

D. 10 + 2 x 4

_____ 2. Compare the two expressions using >, <, or =. (5.OA.1)

100 x 8 ◯ 20 x (4 x 9)

A. >

B. <

C. =

_____ 3. Which measurement is equivalent to 3 meters? (5.MD.1)

A. 9 centimeters

B. 36 centimeters

C. 100 centimeters

D. 300 centimeters

_____4. Which phrase is represented by the expression below? (5.OA.2)

5 x (36 + 9)

A. the product of 36 and 5 increased by 9

B. the product of 36 and 9 multiplied by 5

C. the sum of 36 and 9 multiplied by 5

D. the sum of 36 and 5 increased by 9

_____ 5. Compare the two expressions using >, < or =. (5.OA.1)

20 x 9 ◯ 18 fives, doubled

A. >

B. <

C. =

_____ 6. Evaluate the following expression? (5.OA.1)

5 times the difference of 14 and 6

A. 40

B. 65

C. 76

D. 100

_____ 7. **Solve by using standard algorithm, lattice method, partial product or area model.** (5.NBT.5)

673 x 112

A. 74,366

B. 70,376

C. 74,376

D. 75,376

_____ 8. Which expression represents the phrase **"the sum of 7 and 9 doubled"**? (5.OA.2)

A. (7 + 9) x 2

B. (7 + 9) x 3

C. 7 + (9 x 3)

D. (7 x 9) + 2

_____ 9. In a science class, Paul made a mixture by adding 2.05 milliliters of hydrogen peroxide and 6.15 milliliters of water together. Equal amounts of the whole mixture were poured into 5 empty containers. How much of the mixture, in milliliters, did she pour into each container? (5.NBT.7)

A. 0.61

B. 1.64

C. 3.2

D. 13.4

_____10. A state fair held a heaviest-pumpkin contest. The winning pumpkin weighed 2,050 pounds. What is the weight in ounces, of the winning pumpkin? (5.MD.1)

    A. 8,200

    B. 16,400

    C. 24,600

    D. 32,800

_____11. **Solve by using standard algorithm, lattice method, partial product, bow tie or area model.** (5.NBT.5)

25 x 47

A. 1,085

B. 1,175

C. 2,175

D. 2,085

PART II

Write your answers in this section in your test packet.

12. **Solve by using standard algorithm, lattice method, partial product, bow tie or area model. Show all of your work.** (5.NBT.7)

   9.2 x 13

   Answer: _____

13. **Solve by using standard algorithm, lattice method, partial product or area model. Show all of your work.** (5.NBT.7)

   1.25 x 35

   Answer: _____

Convert the following:

14. Yards to Feet (5.MD.1)

5.7 yards = ? feet

_____feet

15. Kilograms to Grams (5.MD.1)

5.16 kilograms = ? grams

_____ grams

16. Pounds to Ounces (5.MD.1)

6.7 pounds = ? ounces

_____ ounces

Use the C-U-B-E-S process to solve the following word problems.

17. Olga decorates blankets with ribbon. She has 12 yards of ribbon.
    She uses 22 feet of the ribbon to decorate blankets. After she
    decorates the blankets, how many feet of ribbon remain? (5.MD.1 and
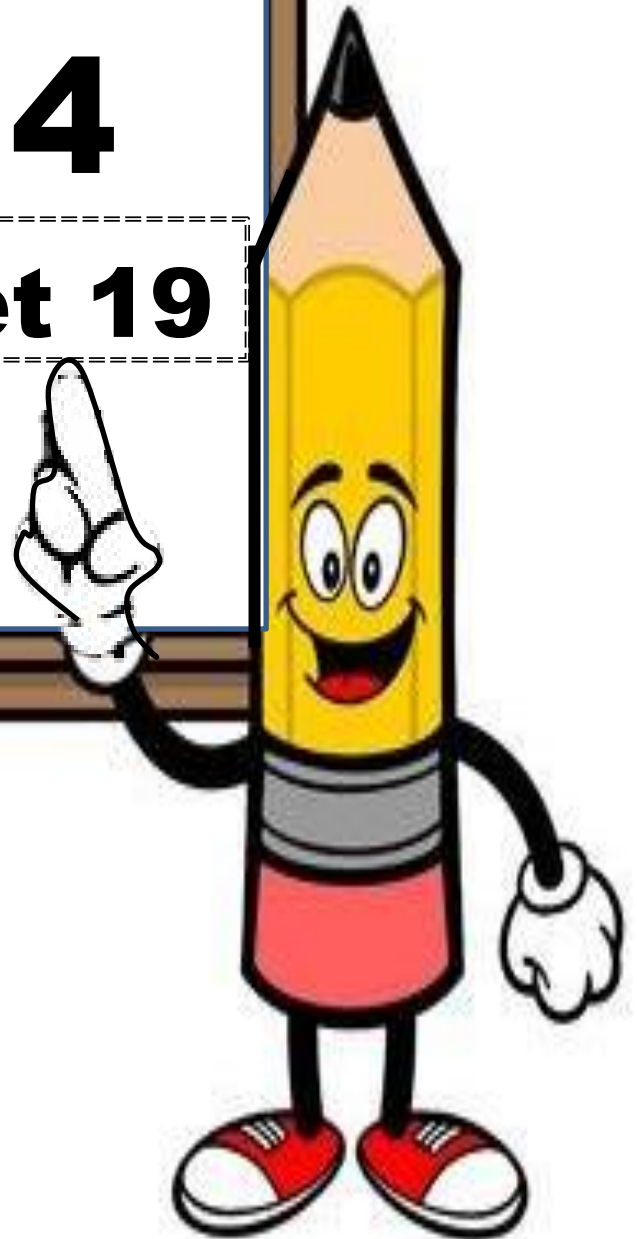   5.NBT.7)

Answer: _____feet of ribbon

18. For a field trip, the school bought 47 sandwiches for $4.60 each and 39 bags of chips for $0.25 each. How much did the school spend in all?   (5.MD.1 and 5.NBT.7)

Answer: $_____

Day # 4

Mod 2 Packet 19

Name:_____ Week 11 Day 4 Date:_____

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Do Now

Estimate the quotient for the following problems.

476 ÷ 81	645 ÷ 69

Key Terms Review:

Dividend – the number being divided into

Divisor – the number dividing into another number

Quotient – the answer to a division problem

Compatible Number – a number that a divisor can divide evenly into

Input Activity:

Estimating Quotients – Two Digit Divisors

Problem 1:

8,095 ÷ 23

Steps:	Example:
	8,095 ÷ 23
5. Draw a division garage.	
6. Round the divisor to its leading digit.	
7. List multiples of the rounded divisor to find a compatible number the divisor can go into. • **Pick the multiple that is closest to the actual dividend to become your estimated dividend.**	
8. Divide.	

Problem 2

Solving with 2 different compatible numbers.

1. Round the divisor to the leading digit.

2. Pick the two closest compatible numbers to the actual dividend.

3. Solve for both.

2,691 ÷ 48	2,691 ÷ 48

We have two estimated quotients _____ and _____.

Your actual answer would be between those estimated quotients.

Problem 3

5,484 ÷ 71

Problem 4

9,215 ÷ 93

Problem 5

5,738 ÷ 21

Problem 6

A swimming pool requires 672 ft² of floor space. The length of the swimming pool is 32 ft. Estimate the width of the swimming pool.

Problem Set:

2,659 ÷ 58	9,155 ÷ 34

Application Problem:

Mrs. Mclean spent $611 buying lunch for 78 students. If all the lunches cost the same, about how much did she spend on each lunch?

Answer: $_____

Exit Ticket

6,523 ÷ 21	8,491 ÷ 37
3,704 ÷ 53	4,819 ÷ 68

Brighter Choice
Charter School for Boys

Day # 5

Mod 2 Packet 20
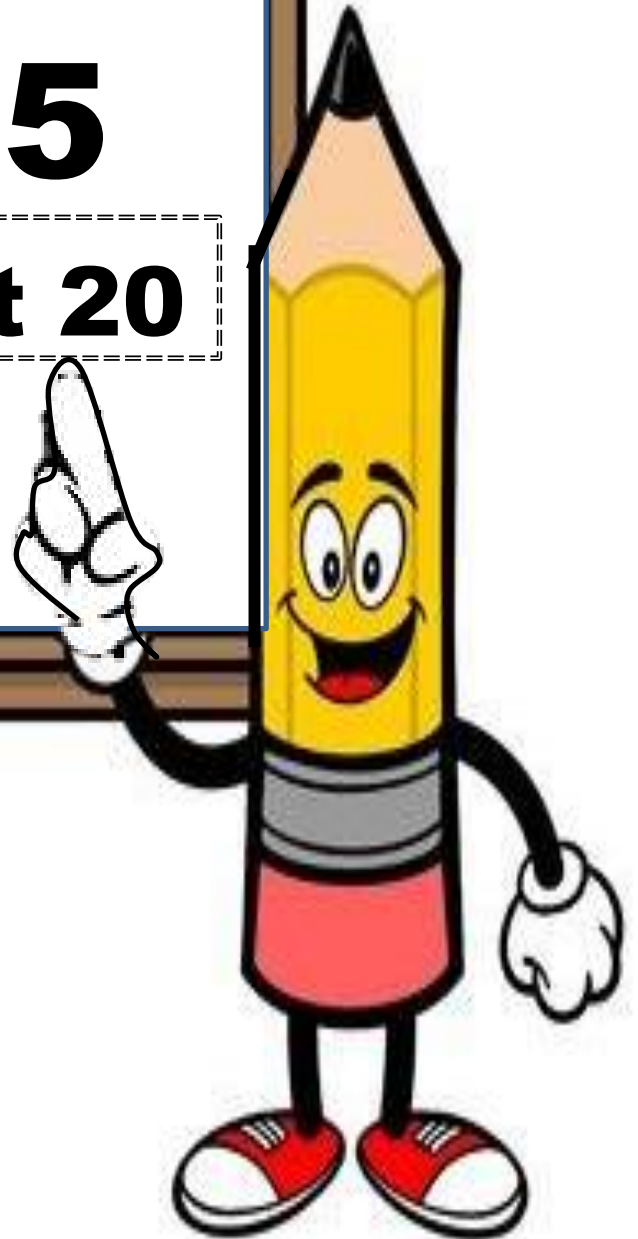
Name:_____ Week 11 Day 5 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Estimate the quotient for the following problems.

A wild tiger can eat up to **55 pounds** of meat in a day. About <u>how many days would it take for a tiger to eat the following prey?</u> The first one has been started for you.

Antelope – 1,754lbs	**Boar – 661lbs**
Estimate Problem	**Estimate Problem**
1,800 ÷ 60	**_____**
Solve:	**Solve:**

Dividing by two-digit divisors

Problem 1:

70 ÷ 30

Steps:	Example:
	70 ÷ 30
1. Draw a division garage and place the dividend and divisor in the right spots.	
2. List multiples of the divisor off to the side.	
3. Divide using DMSCB.	
4. Check your work with multiplication and adding any remainders.	

Problem 2

430 ÷ 60

Problem 3

572 ÷ 90

Problem 4

41 ÷ 30

Problem 5

80 ÷ 30

Problem Set:

71 ÷ 50	270 ÷ 30
643 ÷ 80	**215 ÷ 90**

Application Problem:

At the Highland Falls pumpkin-growing contest, the prize winning pumpkin contains 360 seeds. The proud farmer plans to sell his seeds in packs of 20. <u>How many packs can he make using all the seeds?</u>
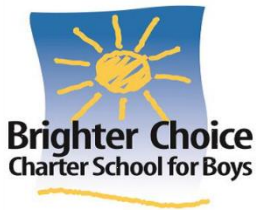
Answer:_____packs

Exit Ticket

Divide using DMSCB. Check your work.

73 ÷ 20	291 ÷ 30
Check	Check

Name _____

5th Grade Modified Math Remote Learning Packet

Week 12

Brighter Choice
Charter School for Boys

Day # 1

Mod 2 Packet 21

Name:_____ Week 12 Day 1 Date:_____

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<u>Do Now</u>

Divide using DMSCB. Check your work.

85 ÷ 30	531 ÷ 20

Input Activity:

Dividing by two-digit divisors
Problem 1:
72 ÷ 21

Steps:	Example:
1. Draw a division garage and place the dividend and divisor in the right spots.	72 ÷ 21
2. List the rounded multiples of the divisor off to the left side. (Imagine estimating the divisor and dividend to help with listing multiples.)	
3. Divide using DMSCB. After choosing the closest number, multiply it on the right-hand side to check your work before adding it your quotient.	
4. Check your work with multiplication and adding any remainders.	

Problem 2

94 ÷ 43

Problem 3

84 ÷ 23

Problem 4

$$57 \div 29$$

Problem 5

$$65 \div 17$$

Problem Set:

49 ÷ 21	78 ÷ 39

Application Problem:

How many groups of twelve are in two hundred fifty-two?

Answer: _____ groups

Exit Ticket

Divide using DMSCB.

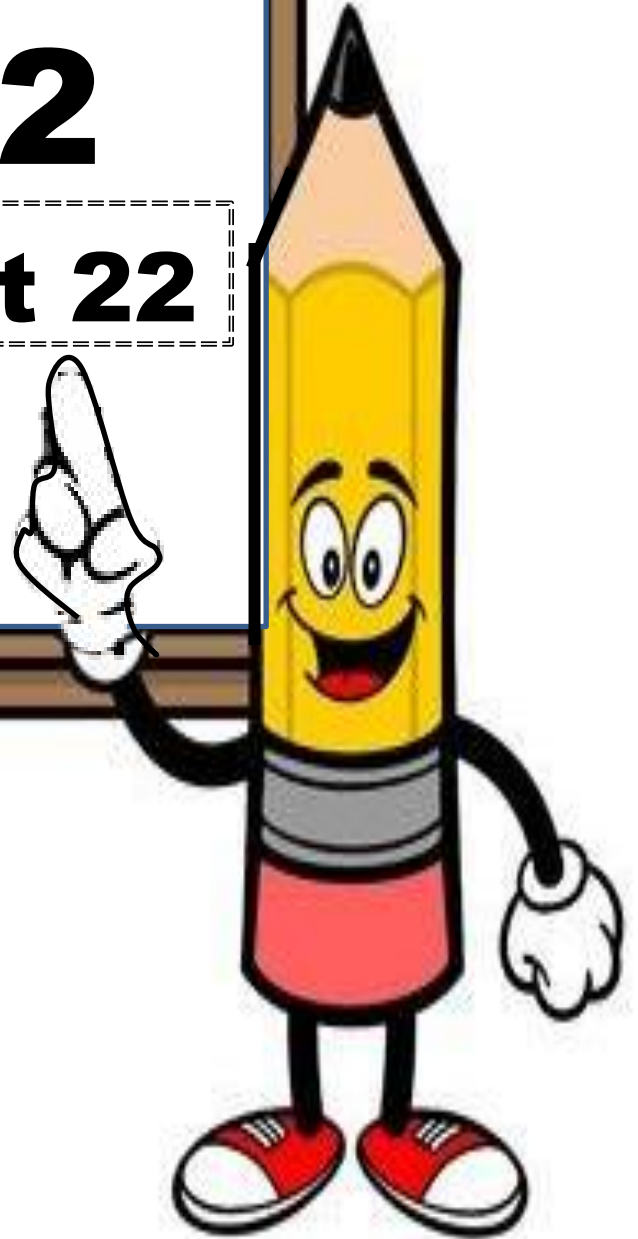| $78 \div 21$	$89 \div 37$

Day # 2

Brighter Choice Charter School for Boys

Mod 2 Packet 22

Name:_____ Week 12 Day 2 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Divide using DMSCB. Check your work.

79 ÷ 25	83 ÷ 21
Check	Check

Input Activity:

Dividing by two-digit divisors
Problem 1:
256 ÷ 17

Steps:	Example:
1. Draw a division garage and place the dividend and divisor in the right spots. 2. List multiples of the divisor off to the side. (Imagine estimating the divisor and dividend to help with listing multiples.) 3. Divide using DMSCB.	256 ÷ 17

Problem 2

$326 \div 35$

Problem 3

$369 \div 15$

Problem 4

712 ÷ 34

Problem 5

258 ÷ 41

Problem Set:

149 ÷ 21	278 ÷ 39

Application Problem:

<mark>105 students</mark> were <mark>divided equally into 15 teams</mark>. How many players were on each team?
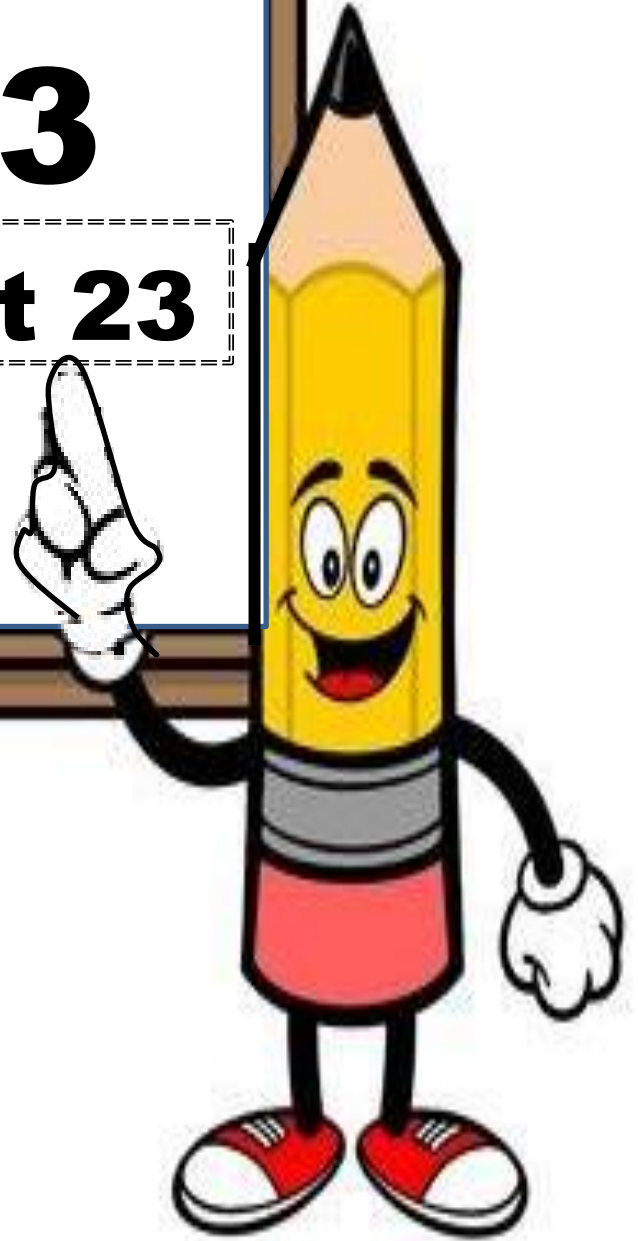
Exit Ticket

Divide using DMSCB.

$326 \div 21$	$192 \div 14$

Day # 3

Brighter Choice Charter School for Boys

Mod 2 Packet 23

Name:_____ Week 12 Day 3 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Divide using DMSCB. Check your work.

479 ÷ 22	283 ÷ 16
Check	Check

Input Activity

Dividing by two-digit divisors
Problem 1:
590 ÷ 17

Steps:	Example:
1. Draw a division garage and place the dividend and divisor in the right spots.	590 ÷ 17
2. List multiples of the divisor off to the side. (Imagine estimating the divisor and dividend to help with listing multiples.)	
3. Divide using DMSCB.	

Problem 2

887 ÷ 27

Problem 3

839 ÷ 41

Problem 4

$580 \div 17$

Problem 5

$730 \div 32$

Problem Set:

704 ÷ 46	614 ÷ 15

Application Problem:

27 students are learning to make balloon animals. There are 172 balloons to be **shared equally** among the students. How many balloons are left over after sharing them equally?

Answer: _____ balloons are left over
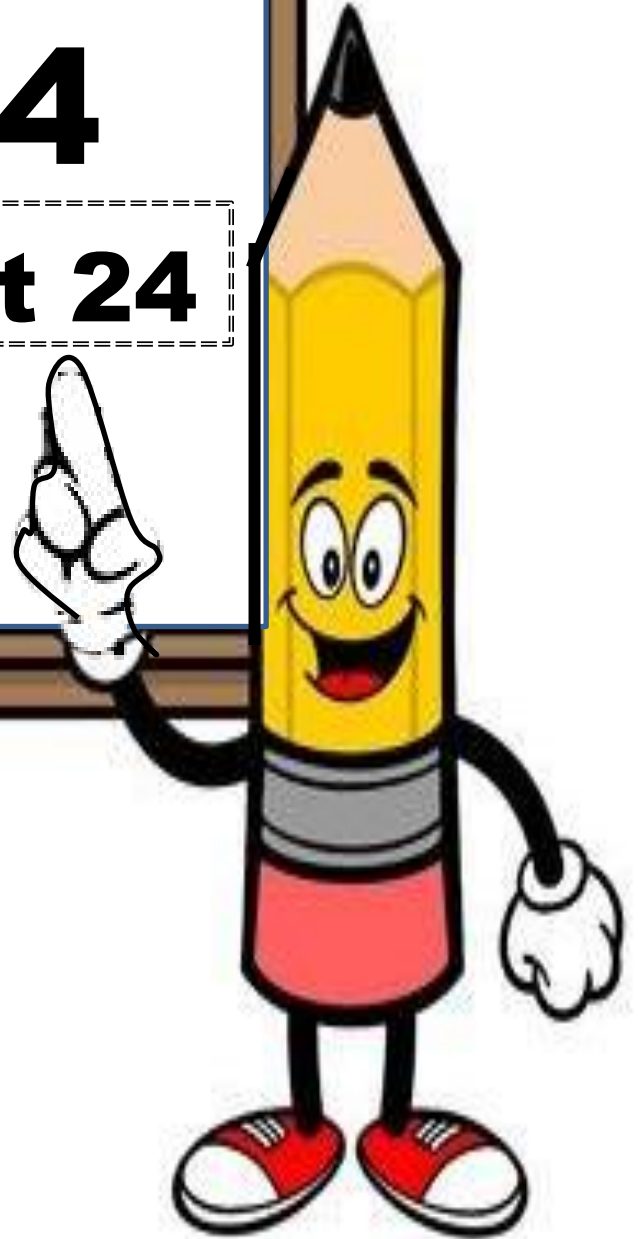
Exit Ticket

Divide using DMSCB.

413 ÷ 19	708 ÷ 67

Day # 4

Brighter Choice
Charter School for Boys

Mod 2 Packet 24

Name:_____ Week 12 Day 4 Date:_____

BCCS-Boys   Stanford   MIT

<u>Do Now</u>

Divide using DMSCB. Check your work.

479 ÷ 22	283 ÷ 16
Check	Check

Input Activity

Dividing by two-digit divisors
Problem 1:

6,247 ÷ 29

Problem 2

4,289 ÷ 52

Problem 3

6,649 ÷ 63

Problem 4

3,164 ÷ 45

Problem 5

4,859 ÷ 23

Problem Set:

7,242 ÷ 34	3,164 ÷ 45

Application Problem:

Mr. Riley baked 1,692 chocolate cookies. He put them in boxes of 36 cookies each. How many boxes did he have after putting all of the cookies in the boxes?

Answer: _____ boxes

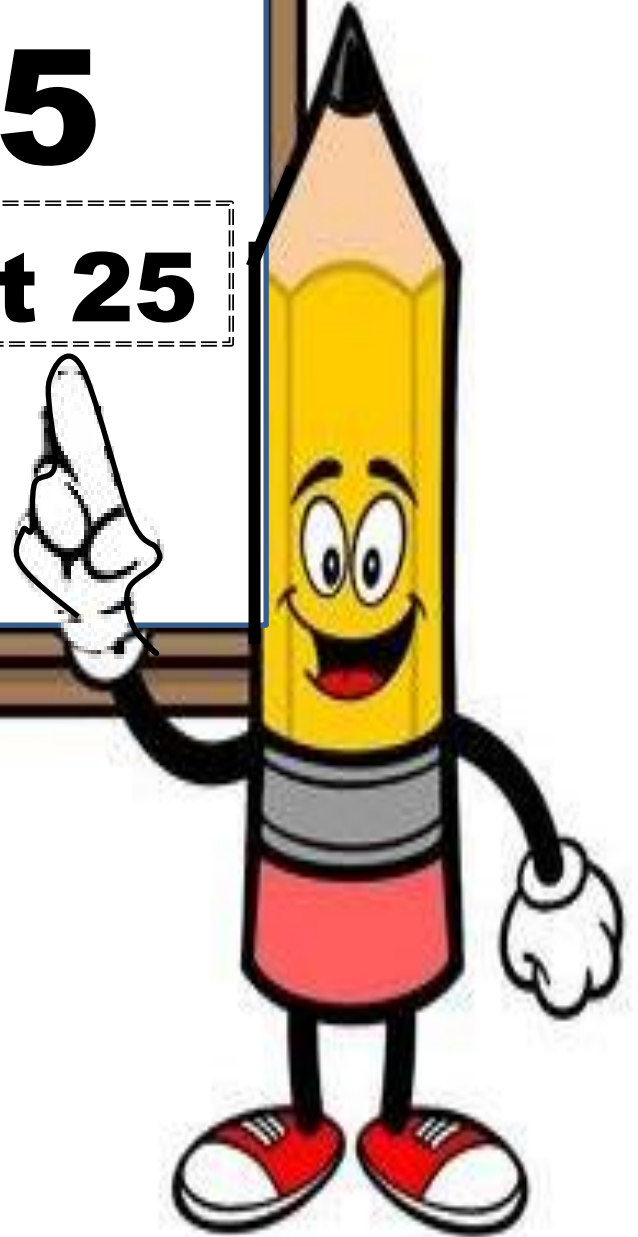# Exit Ticket

Divide using DMSCB.

8,283 ÷ 19	1,056 ÷ 37

Day # 5

Mod 2 Packet 25

Name:_____ Week 12 Day 5 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

A political gathering in South America was attended by 7,910 people. Each of South America's 14 countries was equally represented. How many representatives attended from each country?

Answer: _____ representatives

Input Activity:

Dividing decimals by two-digit divisors

Problem 1	Problem 2	Problem 3
54 ÷ 10	5.4 ÷ 10	0.54 ÷ 10

Problem 4

$$46.5 \div 50$$

Problem 5

$$0.51 \div 30$$

Problem 6

29.4 ÷ 70

Problem Set:

2.4 ÷ 40	14.7 ÷ 70

Application Problem:

A long-time runner compiled her training distances in the following chart. Fill in the missing values.

Runner's Log		
Total Miles of Run	**Number of Days**	**Miles Run Each Day**
420	35	12
14.5	5	
38.0	10	
280.5	17	16.5

Exit Ticket

Divide using DMSCB.

2.73 ÷ 30	7.29 ÷ 90