Name_____

5th Grade Modified Math Remote Learning Packet

Week 13

Dear Educator,

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

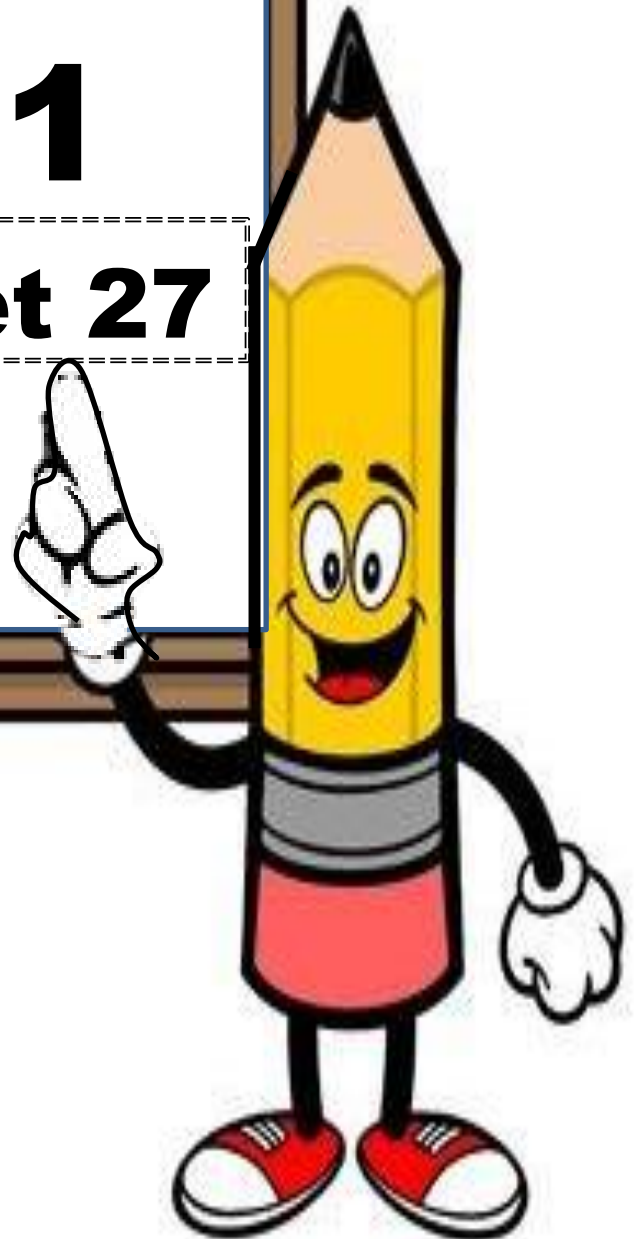
_____   _____
(Parent Signature)   (Date)

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

Brighter Choice
Charter School for Boys

Mod 2 Packet 27

Name:_____ Week 13 Day 1 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Divide using DMSCB. Check your work.

49.7 ÷ 70	28.8 ÷ 40

Input Activity:

Estimating Decimal Quotients
Problem 1:
39.1 ÷ 17 and 3.91 ÷ 17

Steps:	Example:
1. Draw a division garage and place the dividend and divisor in the right spots.	39.1 ÷ 17
2. Estimate the divisor to its leading digit.	
3. Estimate the divided to a compatible number of the divisor.	
4. Divide using DMSCB.	
	3.91 ÷ 17
5. Check your work with multiplication and adding any remainders.	

Problem 2

$63.6 \div 73$ | $6.36 \div 73$

Problem 3

$11.72 \div 42$

Problem 4

$3.24 \div 82$

Problem 5

$361.2 \div 61$

Problem Set:

$85.2 \div 31$	$27.97 \div 28$

Application Problem:

Edward bikes the same route to and from school each day. After 28 school days, he bikes a total distance of 389.2 miles. Estimate how many miles he bikes in one day.

Answer: He bikes about _____ miles in one day

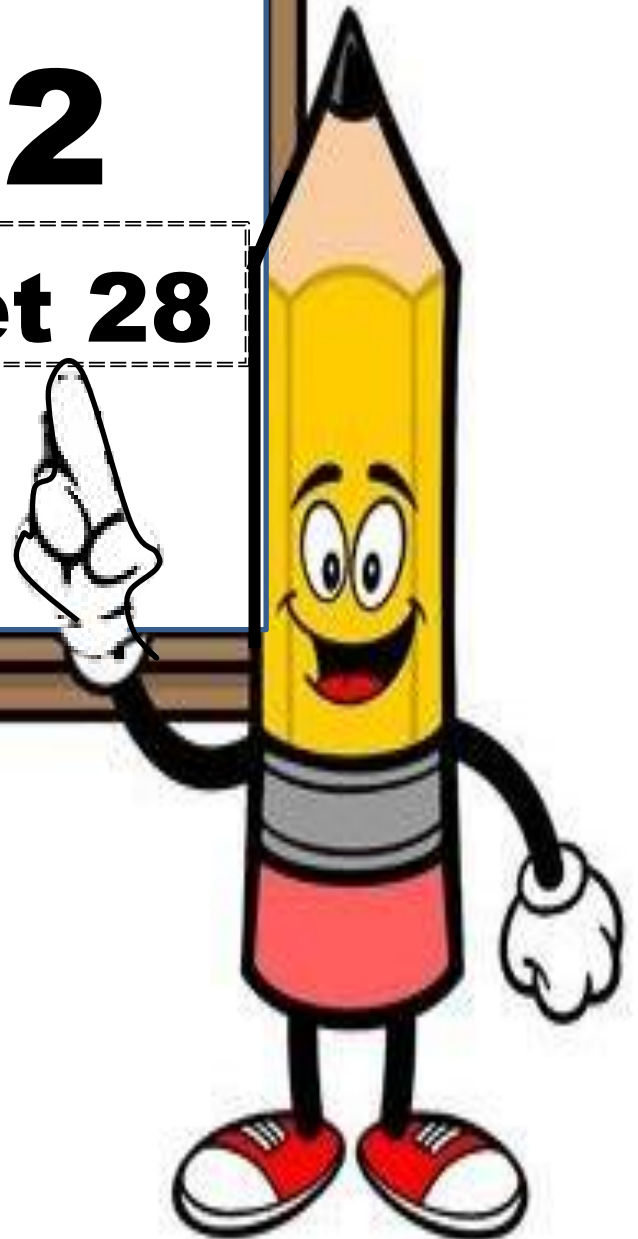# Exit Ticket

Estimate each quotient.

$1.64 \div 22$	$123.8 \div 62$

Brighter Choice
Charter School for Boys

Day # 2

Mod 2 Packet 28

Name:_____ Week 13 Day 2 Date:_____

BCCS-Boys   Stanford   MIT

<u>Do Now</u>

Estimate each quotient.

9.12 ÷ 40	25.75 ÷ 25

Input Activity:

Dividing Decimals

Problem 1

90.4 ÷ 32

Problem 2

456 ÷ 16

Problem 3

83.46 ÷ 26

Problem 4

426 ÷ 12

Problem Set

$$627 \div 25$$

$$221 \div 10$$

Application Problem:

Mrs. Hamilton bought a bag of ==3 dozen== toy animals as party favors for her son's birthday party. The bag of toy animals ==cost $36.72==. Estimate the price of each toy animal.

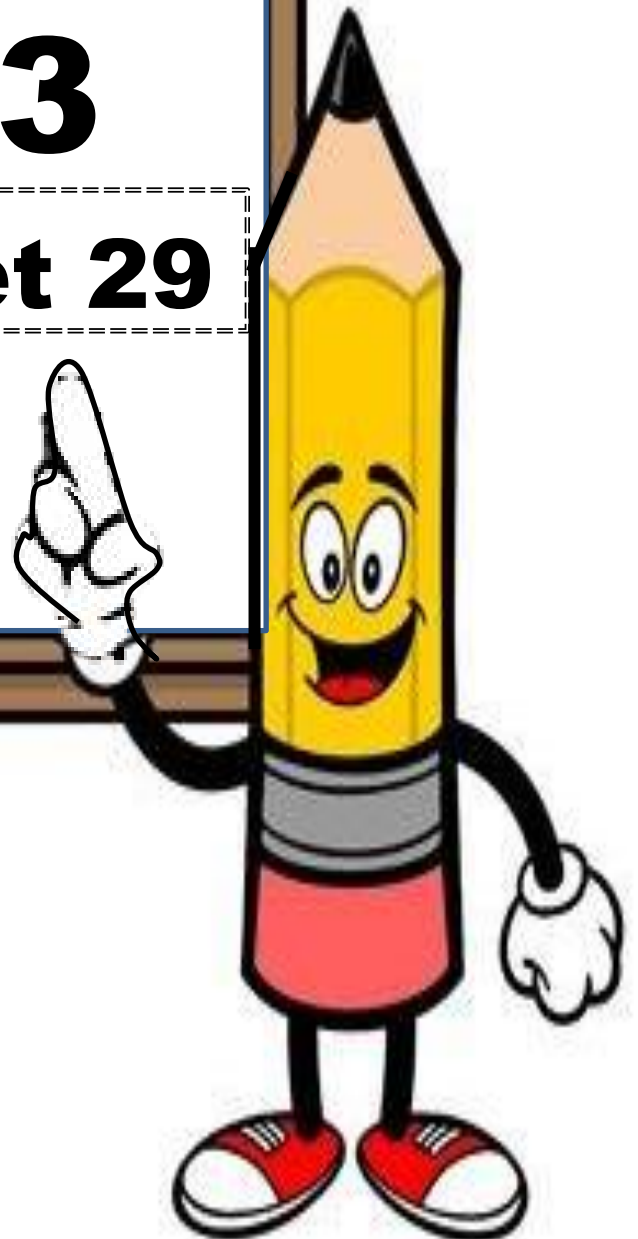**Answer:** Each toy cost about $_____.

Exit Ticket

Find each quotient.

451 ÷ 25	14.95 ÷ 65

Day # 3

Mod 2 Packet 29

Name:_____ Week 13 Day 3 Date:_____

BCCS-Boys   Stanford   MIT

<u>Do Now</u>

Find each quotient.

97.58 ÷ 34	55.35 ÷ 45

Model:

Dividing Decimals

Problem 1

77 ÷ 22

Problem 2

147 ÷ 12

Problem 3

486 ÷ 12

Problem 4

56 ÷ 16

Problem 5

$$21 \div 14$$

Problem 6

$$24 \div 48$$

Problem Set:

81 ÷ 54	54 ÷ 15

Application Problem:

Michael has 567 pennies, Jorge has 464 pennies, and Jaime has 661 pennies. If the pennies are shared equally by the 3 boys and 33 of their classmates, how much money will each classmate receive?

Answer: Each classmate will receive _____.
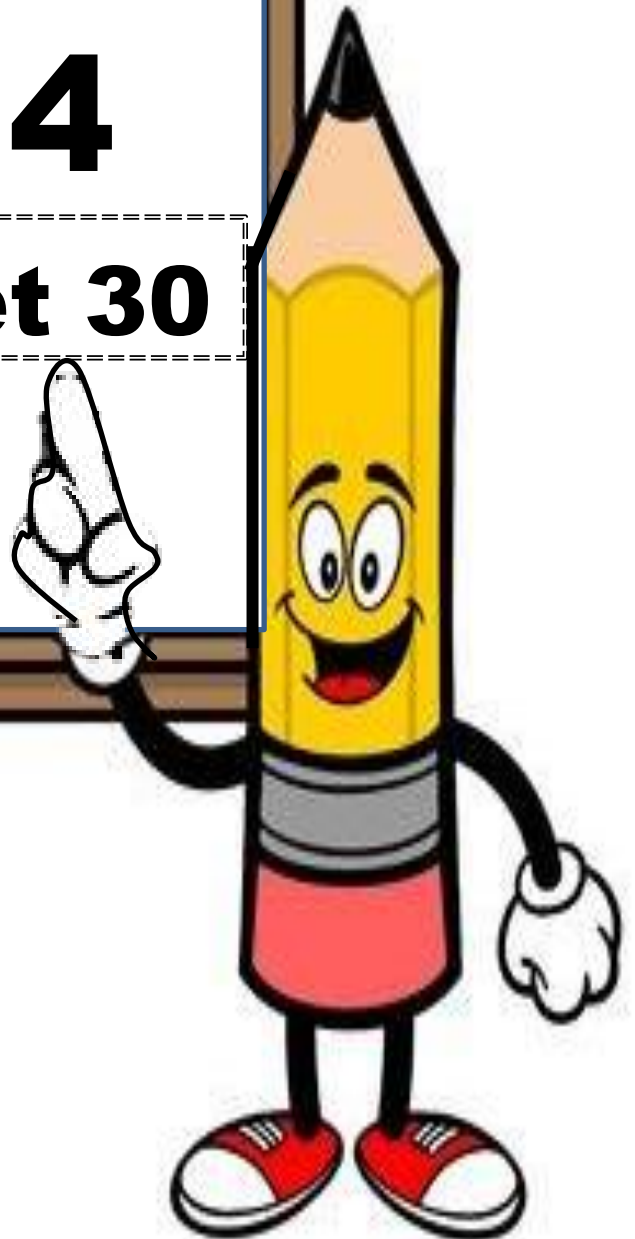
Exit Ticket

Find each quotient.

$280 \div 32$	$824 \div 25$

Day # 4

Brighter Choice Charter School for Boys

Mod 2 Packet 30

Name:_____ Week 13 Day 4 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Find each quotient.

561.68 ÷ 28	604.8 ÷ 36

Input Activity:

Multi-Step Division Word Problems Using C-U- B-E-S

Problem 1

Ava is saving for a new computer that costs $1,218. She has already saved half of the money. Ava earns $14.00 per hour. How many hours must Ava work to save the rest of the money?

Answer_____

Problem 2

Michael has a collection of 1,404 sports cards. He hopes to sell the collection in packs of 36 cards and make $633.75 when all the packs are sold. If each pack is priced the same, how much should Michael charge per pack?

Answer _____

Problem 3

Jim is building a tree house for his two daughters. He cuts several pieces of wood from a board that is 128 inches long. He cuts 5 pieces that measure 15.75 inches each and 7 pieces evenly cut from what is left. What is the length of each of the seven pieces?

Answer_____

Problem Set:

In a science class, students water a plant with the same amount of water each day for 28 consecutive days. If the students use a total of 23.8 liters of water over the 28 days, how many liters of water did they use each day? How many milliliters did they use each day?

Answer _____

Application Problem

Kenny is ordering uniforms for both the girls and boys tennis clubs. He is ordering shirts for 43 players at a total cost of $668.22. Additionally, he is ordering visors for each of the 43 players at a total cost of $368.51. How much will each player pay for the shirt and visor?
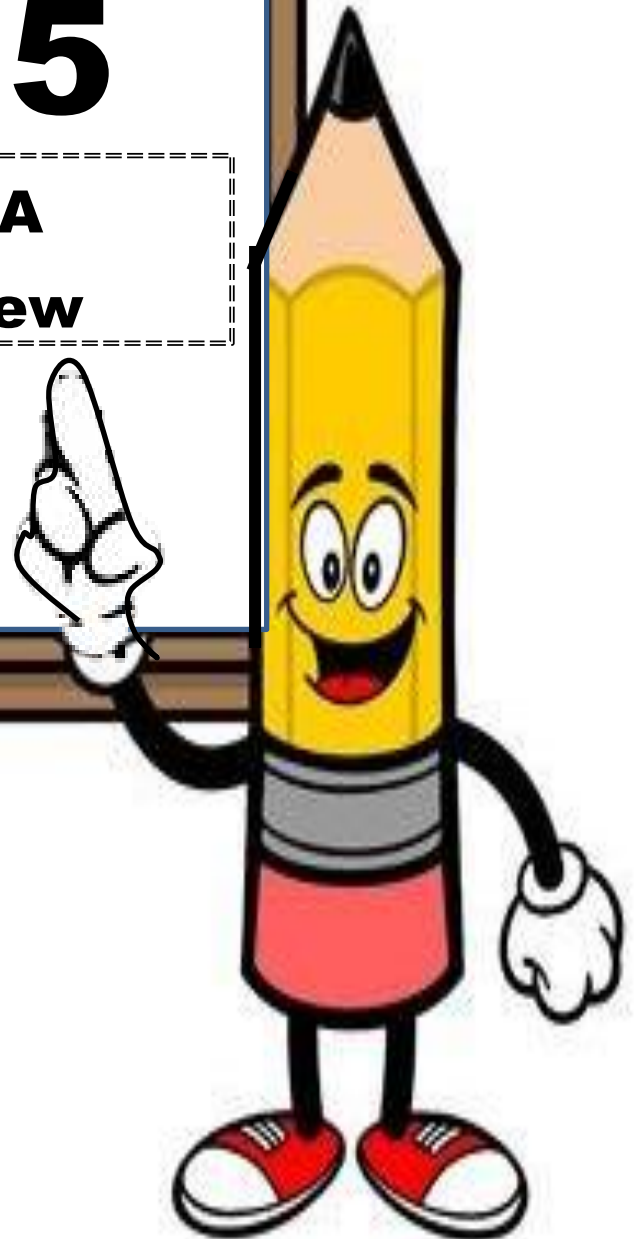
Answer: _____

Exit Ticket

Olivia is making granola bars. She will use 17.9 ounces of pistachios, 12.6 ounces of almonds, and 12.5 ounces of walnuts. This amount makes 25 bars. How many ounces of nuts are in each granola bar?

Answer: _____

Day # 5

Brighter Choice Charter School for Boys

End of Mod 2 SPA

Assessment Review

Name:_____ Week 13 Day 5 Date:_____

BCCS-Boys   Stanford   MIT

Do Now

Gary weighs <mark>64.7 pounds</mark>. Convert Gary's weight to ounces.

Answer: _____

Module 2 End of Module SPA Review

1. Evaluate:

   6 x (15 + 29)   (4 x 6) + (43 – 40)

   Answer:_____   Answer: _____

2. Write an expression that matches the following word form. Then solve.

six times the sum of 14 and 10

_____

Solve:

Answer:_____

3. A number is given below.

136.25

In a different number, the 6 represents a value which is one-tenth of the value of the 6 in the number above. What value is represented by the 6 in the other number?

A. six hundredths

B. six ones

C. six tenths

D. six tens

4. What is the value of 0.156 rounded to the nearest tenth?

A. 0.15

B. 0.16

C. 0.1

D. 0.2

5. What should be calculated first? Then solve.

$$5 \times [(14 - 6) + 7]$$

    A. 5 x 14

    B. 14 − 6

    C. 6 + 7

    D. 14 + 7

6. Mr. Moore has 225 munchkins to share with the BCCS teachers. He plans to share them equally with 15 teachers who will distribute them to their classes. How many munchkins will each teacher receive?

    Answer _____ munchkins

7. Which number below has a value that is $\frac{1}{10}$ the value of the 8 in 653,841?

A. 748,917

B. 749,817

C. 784,917

 D. 797,481

8. Nina did a math problem in 19.673 seconds. What is 19.673 rounded to the nearest tenth of a second?

    A. 19.7

    B. 20.0

    C. 19.6

    D. 16.67

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

$$9.02 \times 85$$

10. A baby was born 23.5 inches long. During the course of one year, he will grow to be 15 times his current length. What will his length be when he is a year old?

Answer _____

11. How many centimeters is equivalent to the following meters?

5m = _____cm   8m=_____cm   9m= _____cm

12. The table below shows the distance some players hit a baseball.

Baseball Distances

Name	Distance
Patrick	48 inches
William	9 feet
Carlos	108 inches

Jonas hit the baseball 3 yards. Which player or players hit the baseball the same distance as Jonas?

Answer: _____

13. Divide the decimal to find the quotient.

$$45.15 \div 21$$

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

14. An Olympic sized pool has an area of 4,284 square meters. If the width of the rectangle is 21 meters, find the length.

Answer: _____meters

15. A construction worker carried 6.2 pounds of bricks to a build a new house each day for three week. How many ounces of bricks will he use in **three weeks**?
      (1 lb = 16 oz)
      (1 week = 7 days)

Answer: _____ounces

16. Sam pays $0.80 per matchbox car and $1.25 per Pokemon Card. Write an expression that shows how much Sam will spend if he buys 15 matchbox cars and 22 Pokemon Cards.

Expression:_____

Answer: $_____

Name_____

5th Grade Modified Math Remote Learning Packet

Week 14

Dear Educator,

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

_____   _____
(Parent Signature)   (Date)

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Brighter Choice Charter School for Boys

Day # 1

End of Mod 2 SPA Assessment
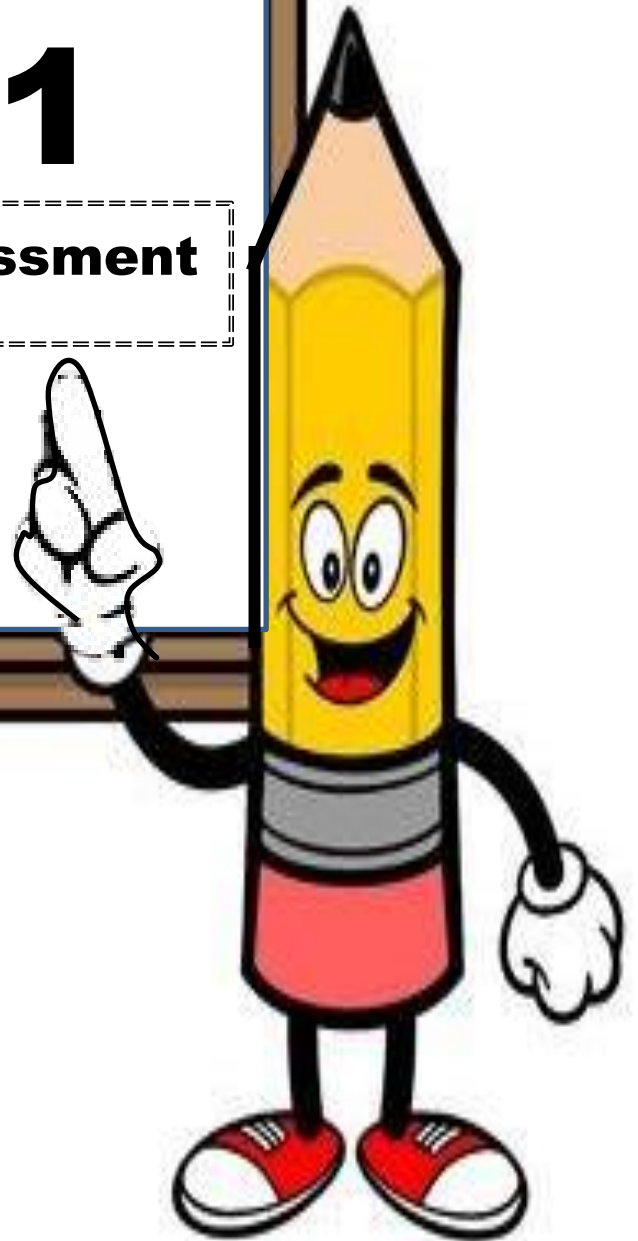
Name:_____ Week 14 Day 1 Date:_____

BCCS-Boys   Stanford   MIT

Module 2 End of Module Assessment

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

PART I: Bubble your answers to this section on your bubble sheet.

_____ 1. Evaluate (5.OA.1)

5 x (27 + 15)

A. 200

B. 210

C. 215

D. 220

_____ 2. A number is given below.

123.45

In a different number, the 3 represents a value which is one-tenth of the value of the 3 in the number above. What value is represented by the 3 in the other number? (5.NBT.1)

A. three hundredths

B. three ones

C.   three tenths

D. three tens

_____ 3. Which expression can be used to represent 8 more than the product of 15 and 12? (5.OA.2)

A. (15 x 12) + 8

B. (15 + 12) x 8

C. 15 x 12 x 8

D. 15 x (12 + 8)

_____ 4. Light from the sun can travel a million miles in 5.368 seconds. How many seconds is that, rounded to the nearest tenth of a second? (5.NBT.4)

A. 5.36 seconds

B. 5.34 seconds

C. 5.3 seconds

D. 5.4 seconds

_____ 5. What part of the expression should be calculated first? (5.OA.1)

8 + 22 x [15 + (14 x 2)]

A. 8 + 22

B. 22 x 15

C. 14 x 2

D. 15 + 14

_____ 6. Mr. Smith has 1,104 student photos to display around the school. He plans to put them on 48 poster boards with the same number photos on each poster board. How many student photos will Mr. Smith place on each poster board? (5.NBT.6)

A. 20

B. 22

C. 23

D. 24

_____ 7. A young snake measures 0.23 meters long. During the course of his lifetime, he will grow to be 13 times his current length. What will his length be when he is full grown? (5.NBT.7)

A. 2.99 meters long

B. 2.60 meters long

C. 13.23 meters long

D. 0.36 meters long

_____ 8. How many centimeters are equivalent to 3 meters? (5.MD.1)

A. 9 centimeters

B. 36 centimeters

C. 100 centimeters

D. 300 centimeters

_____ 9. Find the product. (5.NBT.7)

21.9 x 35

A. 76.65

B. 766.5

C. 7.665

D. 7,665

_____ 10. 524 ÷ 16 (5.NBT.7)

A. 32.75

B. 3.27

C. 32.65

D. 30.15

_____ 11. What is the value of 15.74 rounded to the nearest whole number?
(5.NBT.4)

A. 10

B. 15

C. 16

D. 20

_____12. The table below shows the distance some players hit a softball. (5MD.1)

SOFTBALL DISTANCES

Name	Distance
Amalia	36 inches
Nick	6 feet
Lila	108 inches

Pablo hit the softball 2 yards. Which player or players hit the softball the same distance as Pablo.

   A. Amalia only

   B. Nick only

   C. Lila only

   D. Amalia and Nick

_____ 13. A rectangular playground has an area of 3,392 square meters. If the width of the rectangle is 32 meters, find the length. (5.NBT.6)

   A. 105

   B. 116

   C. 106

   D. 126

_____ 14. In which number does the 4 represent $\frac{1}{10}$ the value represented by the 4 in 30.429? (5.NBT.1)

   A. 46.23

   B. 54.31

   C. 13.428

   D. 98.047

PART II: Write your answers in this section in your test packet.

15. Divide the decimal to find the quotient. (5.NBT.7)

$14.7 \div 21$

Answer: _____

16. Divide the decimal to find the quotient. (5.NBT.7)

$97.28 \div 19$

Answer: _____

Use C-U-B-E-S to solve the following problems:

17. James has a 1,364 page book to read for his winter reading project. He wants to read the same amount of pages each day for 62 days. How many pages will James need to read each day? (5.NBT.6)

Answer: _____pages

18. A baker uses 5.5 pounds of flour each day. How many ounces of flour will he use in **two weeks**? (5.MD.1)

    (1 lb = 16 oz)
    (1 week = 7 days)

Answer: _____ounces of flour

19. Carlos pays $0.80 per pound for sugar and $1.25 per pound for butter. Write an expression that shows how much Carlos will spend if he buys 6 pounds of butter and 20 pounds of sugar. (5.OA.2)

Expression:_____

Solve the expression below. (5.OA.1)

Answer: $_____

Day # 2

Mod 3 Packet 1
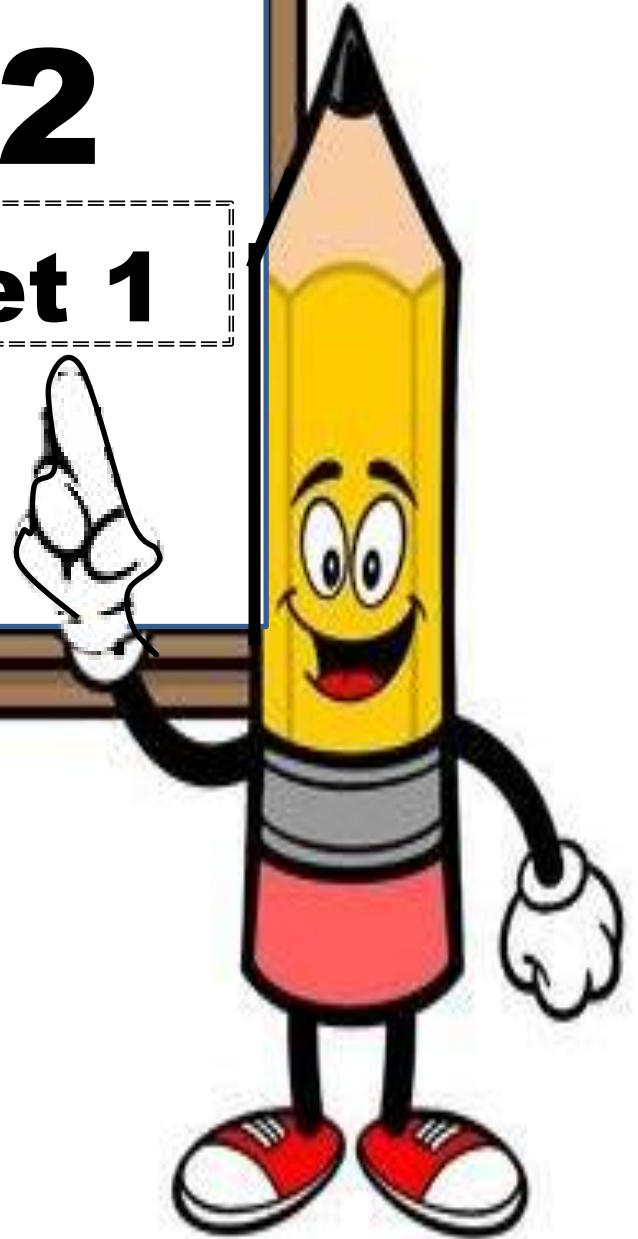
Name:_____ Week 14 Day 2 Date:_____

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Do Now:

Find Each Quotient.

846 ÷ 12

----

741 ÷ 15

Key Terms:

Fraction - _____

Numerator - _____

Denominator - _____

Equivalent Fractions - _____

_____

Model:

Problem 1

Creating equivalent fractions without fraction tiles with multiplication.

Steps	Example
1. _____ any _____ . (you cannot choose 0 or 1).	$\dfrac{2}{3} =$
2. _____ the _____ and _____ by that _____ .	

Problem 2

$$\dfrac{4}{5} =$$

Problem 3

$$\dfrac{2}{7} =$$

Problem 4

$$\frac{3}{8} =$$

Problem 5

$$\frac{5}{4} =$$

Creating equivalent fractions with multiplication.

Problem 6

$$\frac{6}{7} = \frac{12}{}$$

Problem 7

$$\frac{2}{9} = \frac{8}{}$$

Problem 8

$$\frac{3}{5} = \frac{}{15}$$

Problem 9

$$\frac{4}{12} = \frac{}{48}$$

Problem Set:

Create an equivalent fraction for the following fractions.

1. $\dfrac{4}{9} =$ **2.** $\dfrac{3}{10} =$ **3.** $\dfrac{7}{4} =$

Find the missing numerator or denominator to create equivalent fractions.

4. $\dfrac{2}{3} = \dfrac{}{9}$ **5.** $\dfrac{1}{7} = \dfrac{4}{}$ **6.** $\dfrac{9}{10} = \dfrac{}{20}$

Application Problem:

Farmer Gail planted flowers in $\frac{1}{3}$ of her garden. Use the area model below to represent the fraction of flowers she planted in her garden.
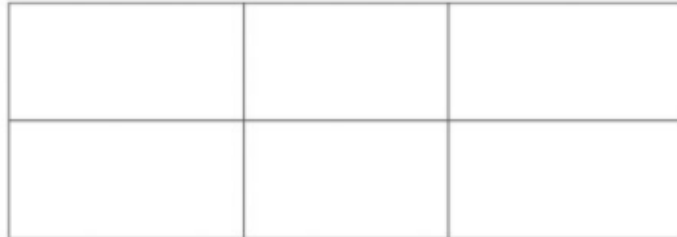
Write an equivalent fraction to $\frac{1}{3}$.

$$\frac{1}{3} = \frac{\boxed{}}{\boxed{}}$$

Exit Ticket

Find the number that makes an equivalent fraction.

$\dfrac{2}{6} = \dfrac{16}{}$	$\dfrac{5}{8} = \dfrac{50}{}$
$\dfrac{5}{9} = \dfrac{25}{}$	$\dfrac{6}{7} = \dfrac{48}{}$

Day # 3

Mod 3 Packet 2
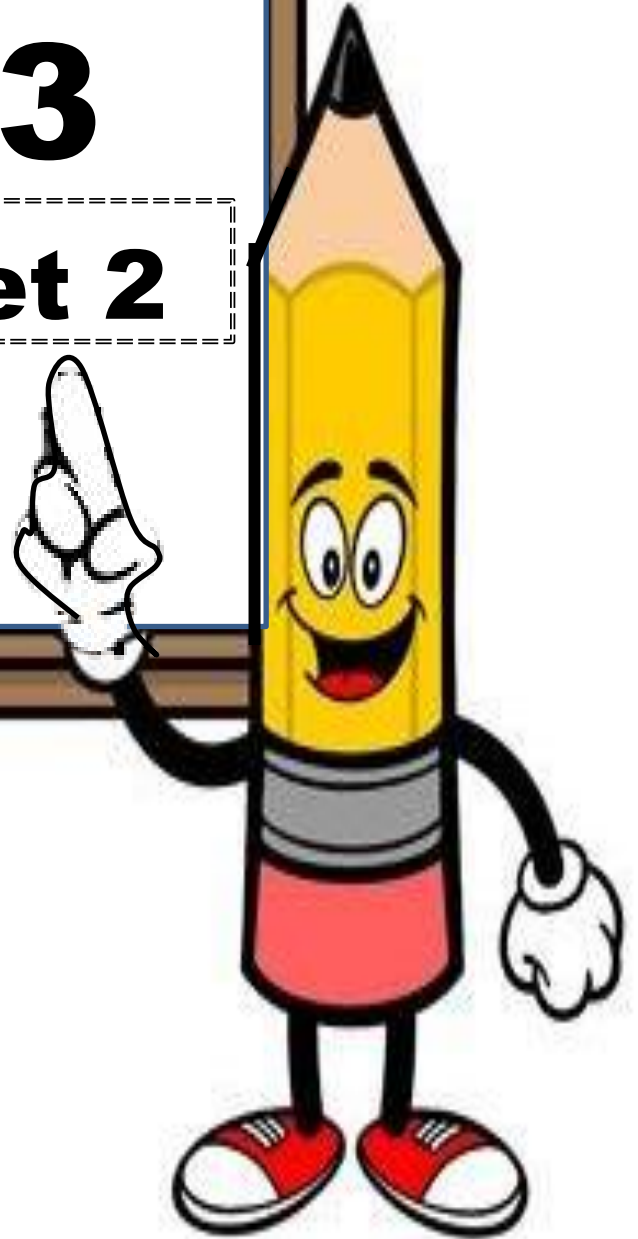
Name:_____ Week 14 Day 3 Date:_____

BCCS-Boys   Stanford   MIT

<u>Do Now:</u>

Find the number that makes an equivalent fraction.

$$\frac{3}{5} = \frac{}{10}$$	$$\frac{2}{3} = \frac{}{12}$$
$$\frac{1}{4} = \frac{}{8}$$	Create your own equivalent fraction to the first fraction by multiplying the numerator and denominator by the same number. $$\frac{4}{5} = \frac{}{}$$

Key Terms:

Mixed Number - _____

_____

Ex:_____

Improper Fraction - _____

_____

Ex:_____

Input Activity:

Problem 1

Changing Mixed Numbers to Improper Fractions:

| **Steps:** | **Ex:** |

1. _____the

_____ by the

_____.

2. _____ your _____ by the

_____.

(This is the new numerator).

3. _____ your old

_____ over.

$$3\frac{4}{5} = —$$

M-A-D: _____ - _____ - _____

Problem 2

$$4\frac{6}{10}$$

Problem 3

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

Problem 4

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

Problem 5

$$7\frac{1}{5}$$

Changing Improper Fractions to Mixed Numbers:

Steps:

1. _____ the _____
   by the _____.

2. The _____ number in the _____
   is the whole number in the _____

3. The _____ in the quotient is the
   _____ in the fraction.

4. The _____ stays the _____

$$\frac{49}{5}$$

Problem 6

$$\frac{14}{4} =$$

Problem 7

$$\frac{34}{6} =$$

Problem 8

$$\frac{41}{3} =$$

Problem 9

$$\frac{74}{5} =$$

Problem Set:

Change the mixed numbers to improper fractions.

2. $3\frac{4}{9} =$ **2.** $2\frac{3}{5} =$ **3.** $1\frac{7}{9} =$

Change the improper fractions to mixed numbers.

4. $\frac{32}{3}$ **5.** $\frac{51}{7}$ **6.** $\frac{29}{5}$

Application Problem:

Write a mixed number to show what part of each illustration is shaded.

a. _____

b. _____

c. _____

d. _____
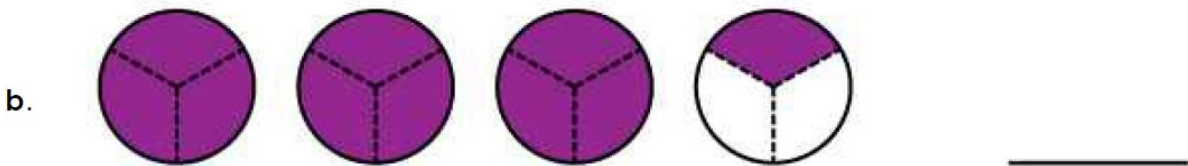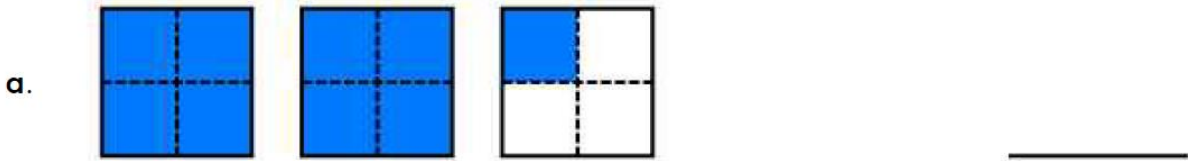
Change each of the above mixed numbers to improper fractions.

a. _____   c. _____

b. _____   d. _____

Change the mixed numbers to improper fractions.

$$1\frac{1}{4} = \qquad\qquad 6\frac{2}{7} = \qquad\qquad 8\frac{5}{6} =$$

Change the improper fractions to mixed numbers.

$$\frac{62}{3} \qquad\qquad\qquad \frac{65}{7} \qquad\qquad\qquad \frac{39}{5}$$

Day # 4

Winter Break
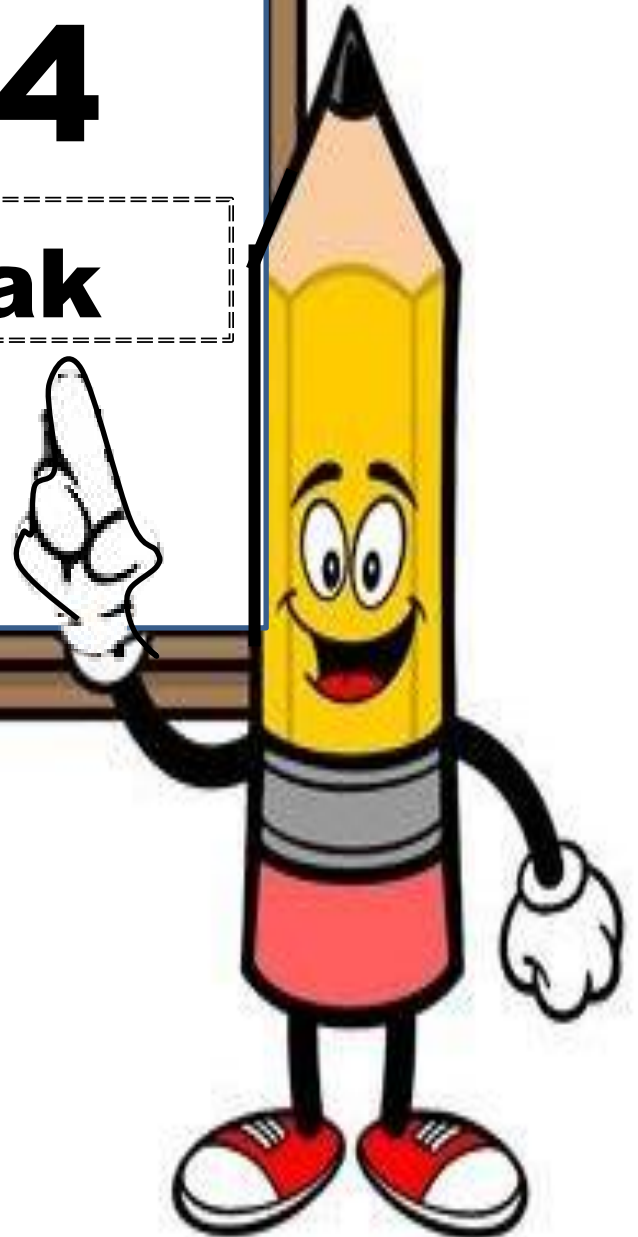
Name:_____ Week 14 Day 4 Date:_____

BCCS-Boys   Stanford   MIT

Let it snow!

BLIZZARD
COAT
COLD
DECEMBER
EARMUFFS
FEBRUARY
FIREPLACE
FLURRIES
FROZEN
GLOVES
HOT CHOCOLATE
ICE
ICE SKATES
ICICLE
JANUARY
MITTENS
SCARF
SHOVEL
SLED
SLUSH
SNOWBALL
SNOWFLAKE
SNOWMAN
SWEATER
WINTER

```
              H  A  H  D  S
           M  J  X  O  H  H  K
           I  A  S  T  J  O  J
           Q  N  L  C  S  V  J
           N  U  E  H  B  E  D
           A  D  O  L  L
        H  F  R  M  C  I  T  W  F
        M  X  L  Y  H  O  Z  L  O  O  M
     U  F  K  U  W  Q  L  Z  R  H  E  L  U
     F  C  A  R  O  F  A  A  W  G  A  B  V
     P  L  M  R  J  E  T  R  U  J  R  M  Q
     X  K  S  I  Z  B  E  D  J  S  M  U  J
     J  T  N  E  P  R  C  S  S  W  U  M  K
        F  O  S  D  U  Q  N  N  E  F  Z
        W  T  E  A  F  O  O  A  F
     O  C  M  G  C  R  I  W  W  T  S  U  Z
  H  M  L  A  L  E  Y  R  F  B  E  V  X  N  P
  I  W  Y  N  O  M  H  E  L  A  R  U  Y  V  U
V  Y  F  C  S  V  B  S  P  A  L  S  L  U  S  H  U
V  R  R  O  W  E  E  C  L  K  L  I  C  I  C  L  E
T  L  O  L  N  S  R  A  A  E  W  F  Y  G  Q  D  U
E  Z  Z  D  C  P  W  R  C  Y  S  V  H  X  W  K  M
I  C  E  M  O  N  E  F  E  M  I  T  T  E  N  S  C
E  K  N  X  A  W  I  N  T  E  R  O  W  D  Q  T  R
J  L  Q  T  A  I  C  E  S  K  A  T  E  S  L
M  M  N  V  P  J  Q  Q  A  X  P  B  J
```

Name: _____

Brighter Choice Charter School for Boys

Day # 5

Winter Break
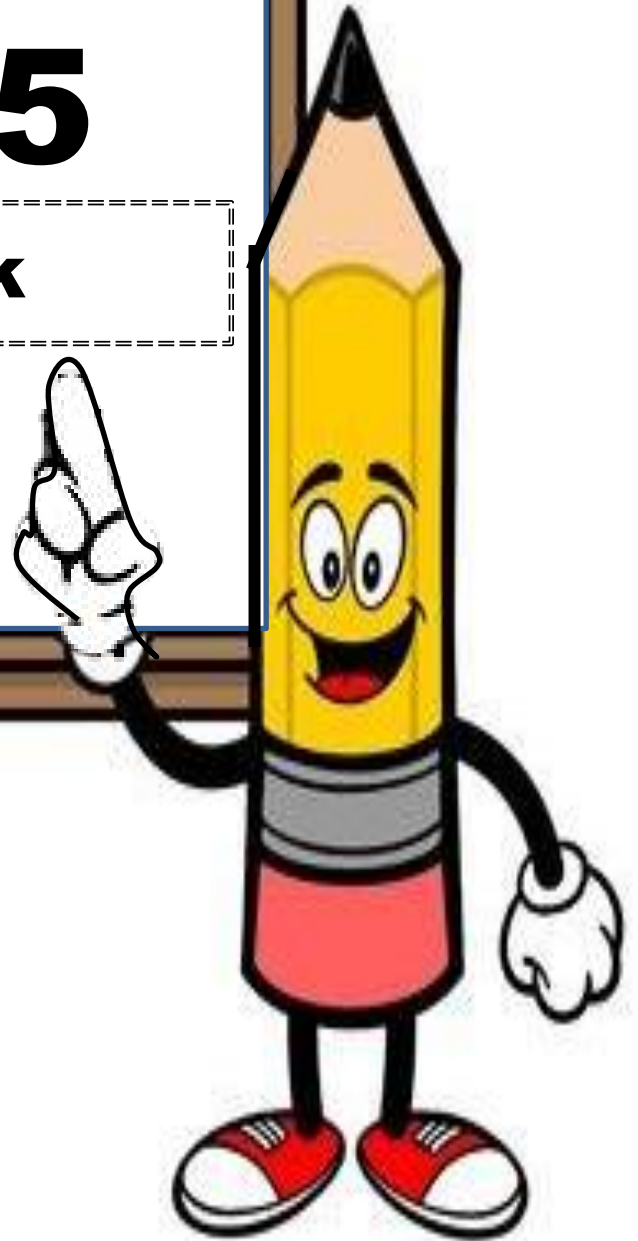
Name:_____ Week 14 Day 5 Date:_____

BCCS-Boys   Stanford   MIT
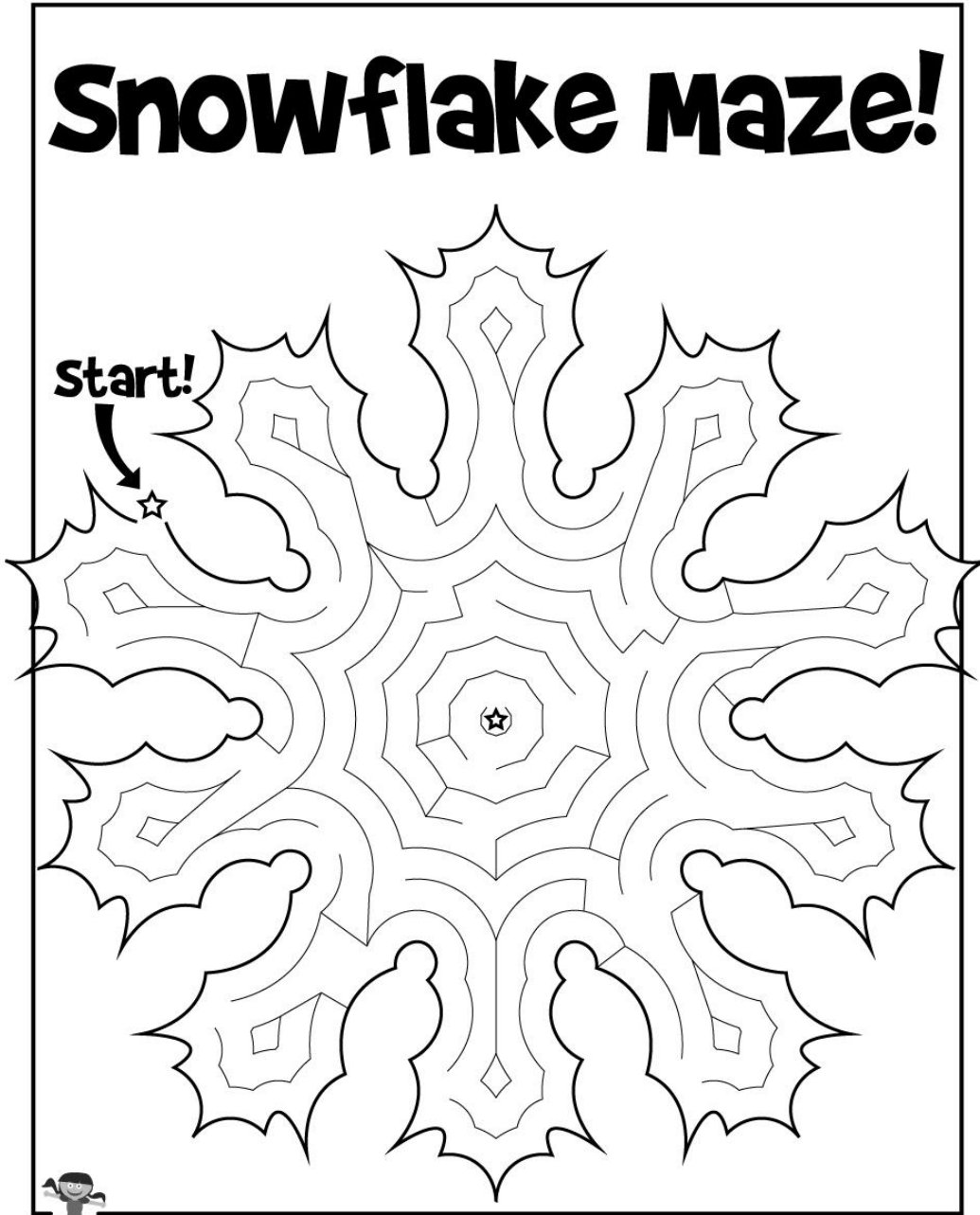
Snowflake Maze!

Start!

Name _____

5th Grade Modified Math Remote Learning Packet

Week 15

- -

Dear Educator,

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

_____   _____
(Parent Signature)   (Date)

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Day # 1

Winter Break
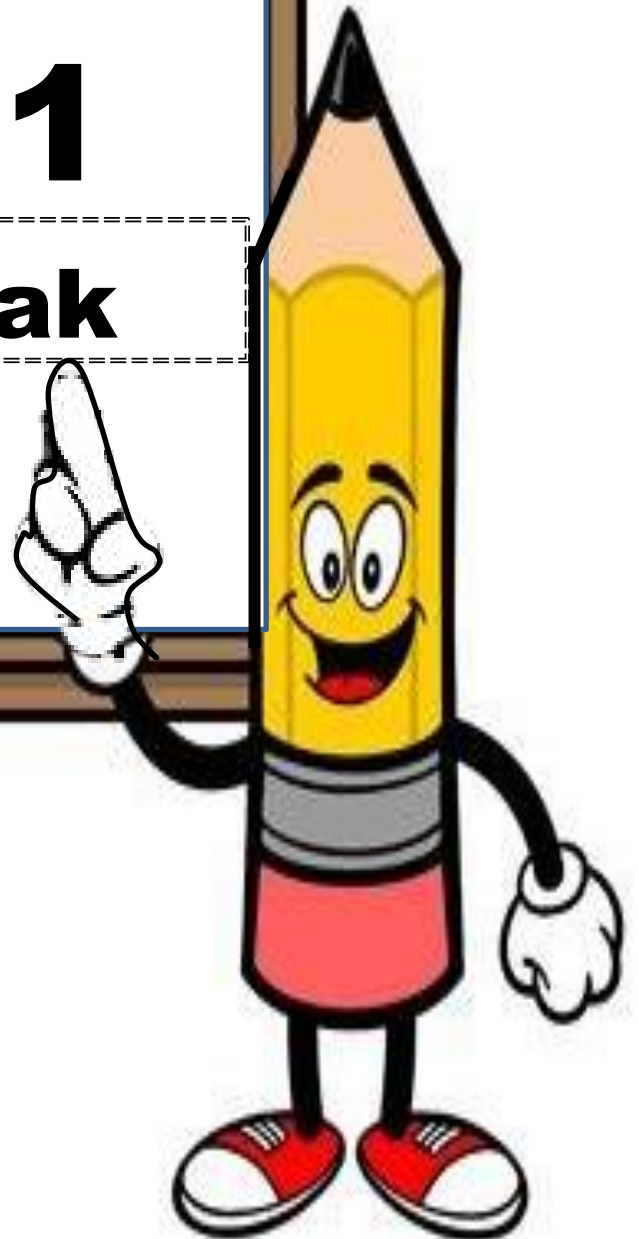
Round to the nearest tenth

Round each number to the nearest tenth.

7.85
_____

91.13
_____

43.47
_____

2.93
_____

22.09
_____

76.36
_____

5.44
_____

15.59
_____

Day # 2

Brighter Choice Charter School for Boys

Winter Break
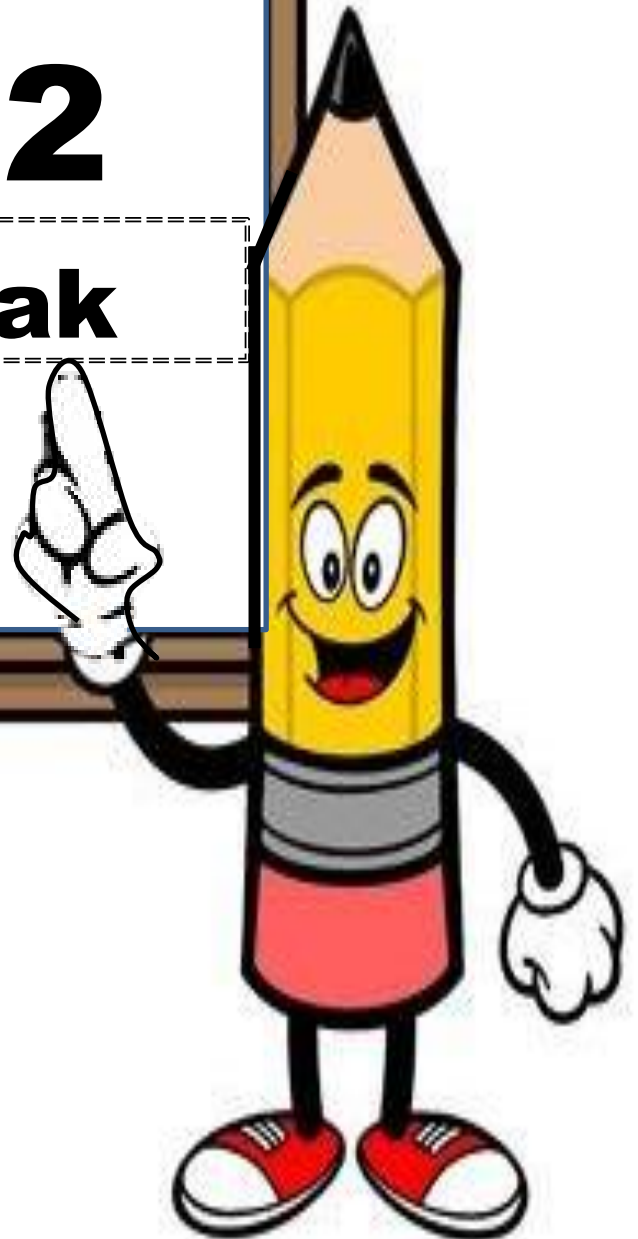
BCCS-Boys   Stanford   MIT

WINTER MULTIPLICATION MAZE
SNOWMAN FOREST MAZE

Snowmen have taken over the forest and are blocking the roads! Some snowmen will let you past, others will block your path and attack you with snowballs! Can you find your way through?

YOU CAN ONLY GO PAST SNOWMEN AND SQUARES WHICH HAVE ANSWERS LARGER THAN 40.

7X7 =

5X9 =

8X7 =

7X4 =

8X4 =

6X8 =

8X8 =

6X3 =

8X9 =

7X9 =

7X3 =

9X3 =

9X9 =

6X6 =

6X4 =

5X7 =

4X4 =

6X7 =

4X11 =

9X4 =

6X9 =

Day # 3

Winter Break
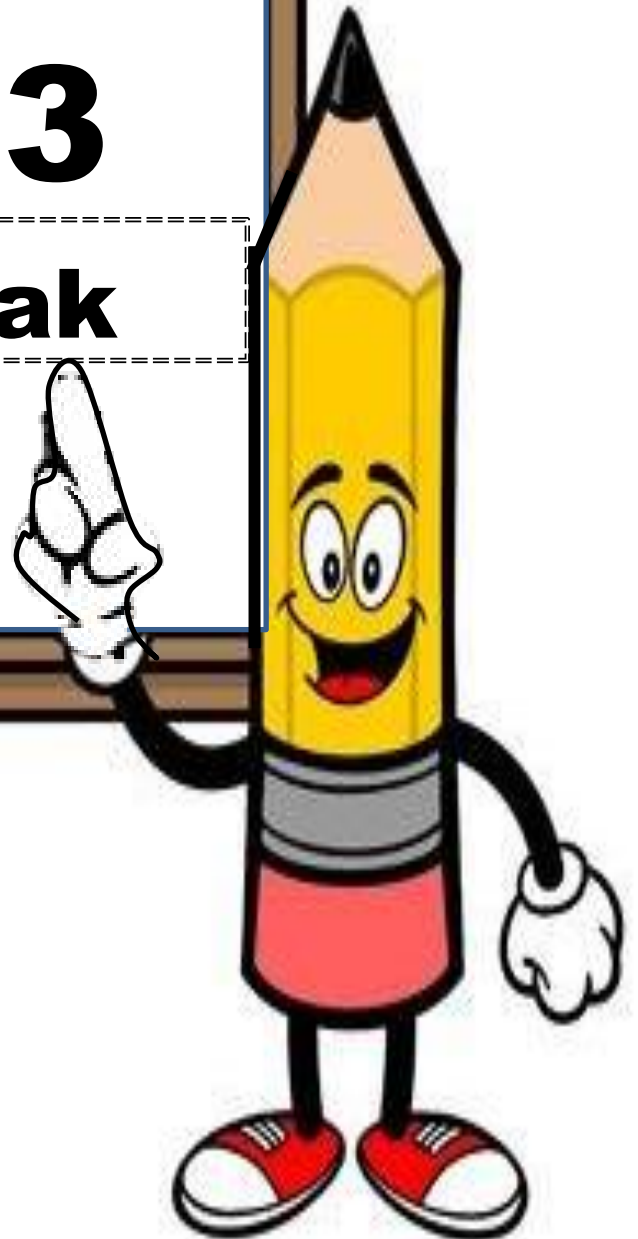
Solve each equation and color using the key below: **12**
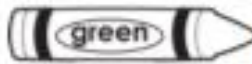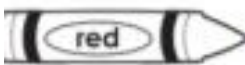
black	24, 84	orange	108
yellow	60, 120	green	12	white	72
red	36, 132	purple	144	blue	48, 96

12 × 11	12 × 8		12 × 4		12 × 3
12 × 5	12 × 4	12 × 2	12 × 7	12 × 4	12 × 10
		12 × 7	12 × 7	12 × 2	12 × 8	
12 × 3	12 × 8	12 × 12	12 × 12	12 × 12	12 × 8	12 × 11
12 × 10	12 × 4	12 × 7	12 × 2	12 × 7		12 × 5
12 × 11	12 × 6	12 × 6	12 × 6	12 × 4	12 × 3
12 × 5	12 × 8	12 × 6	12 × 9	12 × 9	12 × 9	12 × 6	12 × 8	12 × 10
12 × 3	12 × 6	12 × 6	12 × 4	12 × 11
12 × 10	12 × 4	12 × 1	12 × 12	12 × 1	12 × 1	12 × 12	12 × 1	12 × 4	12 × 5
12 × 11	12 × 8	12 × 4	12 × 12	12 × 8	12 × 8	12 × 3

Day # 4

Brighter Choice Charter School for Boys
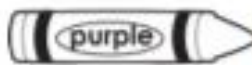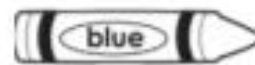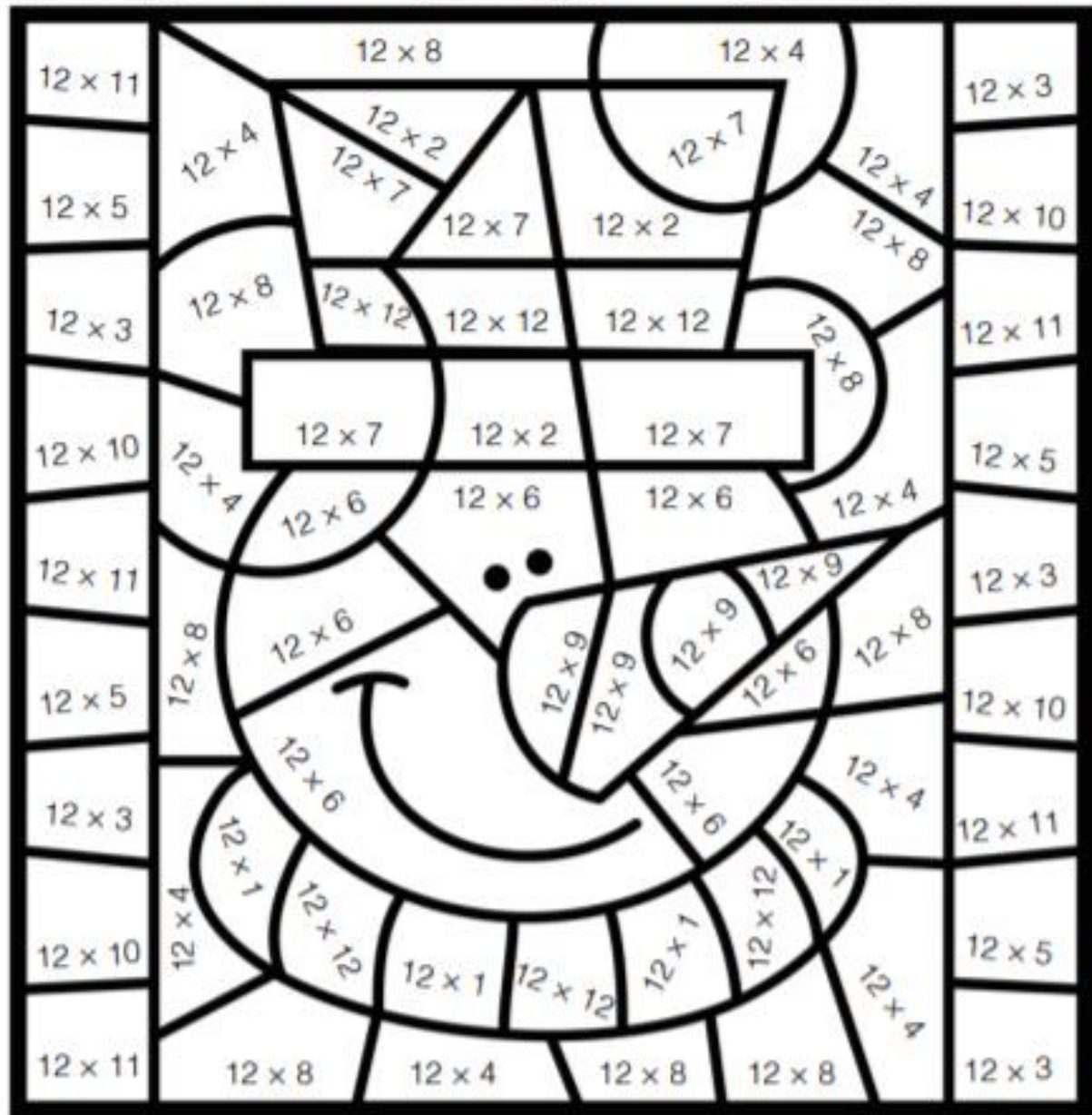
Winter Break
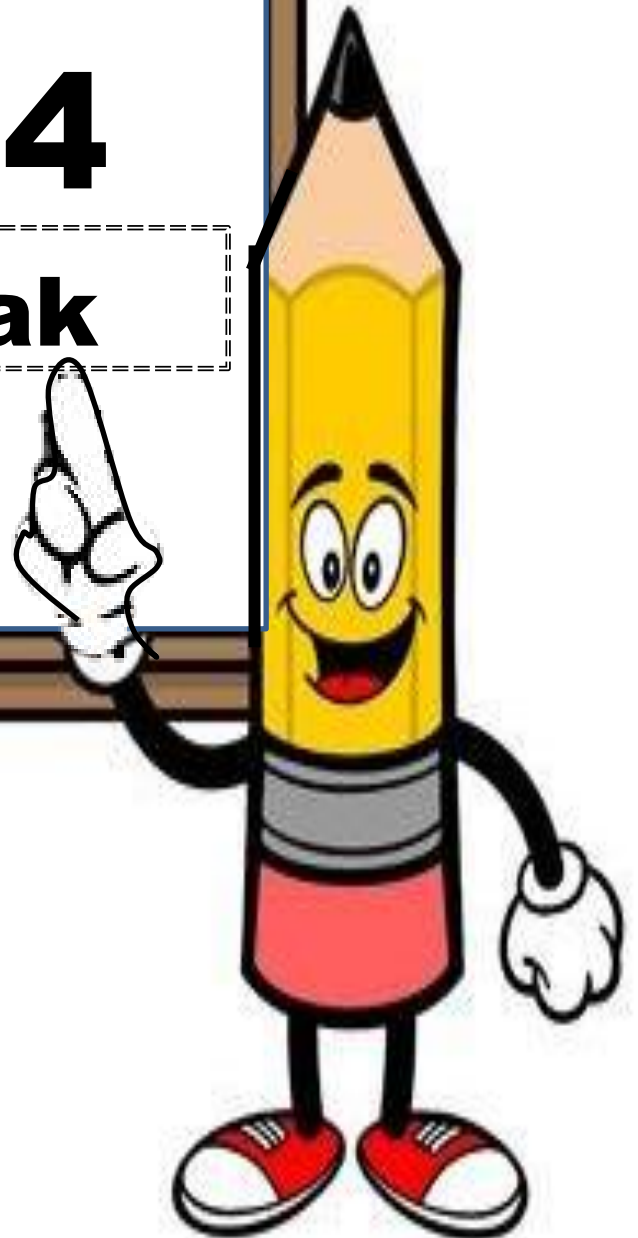
Directions: Add or subtract each of the following.

Add or Subtract

6,033	9,295	6,745	5,817
+ 8,570	− 180	+ 640	+ 183

4,338	818	6,190	2,507
+1,900	+107	− 280	+3,009

	6,280	4,064	9,260
	−5,300	− 490	− 306

Day # 5

Winter Break

BCCS-Boys   Stanford   MIT

Winter Multiplication

```
  9,321        2,450
x     7      x     6
```

```
  7,943     8,524        6,349
x     6   x     2      x     8
```

```
  5,937     1,580        3,082
x     4   x     5      x     9
```