Name _____

5th Grade Modified Math Remote Learning Packet

Week 5

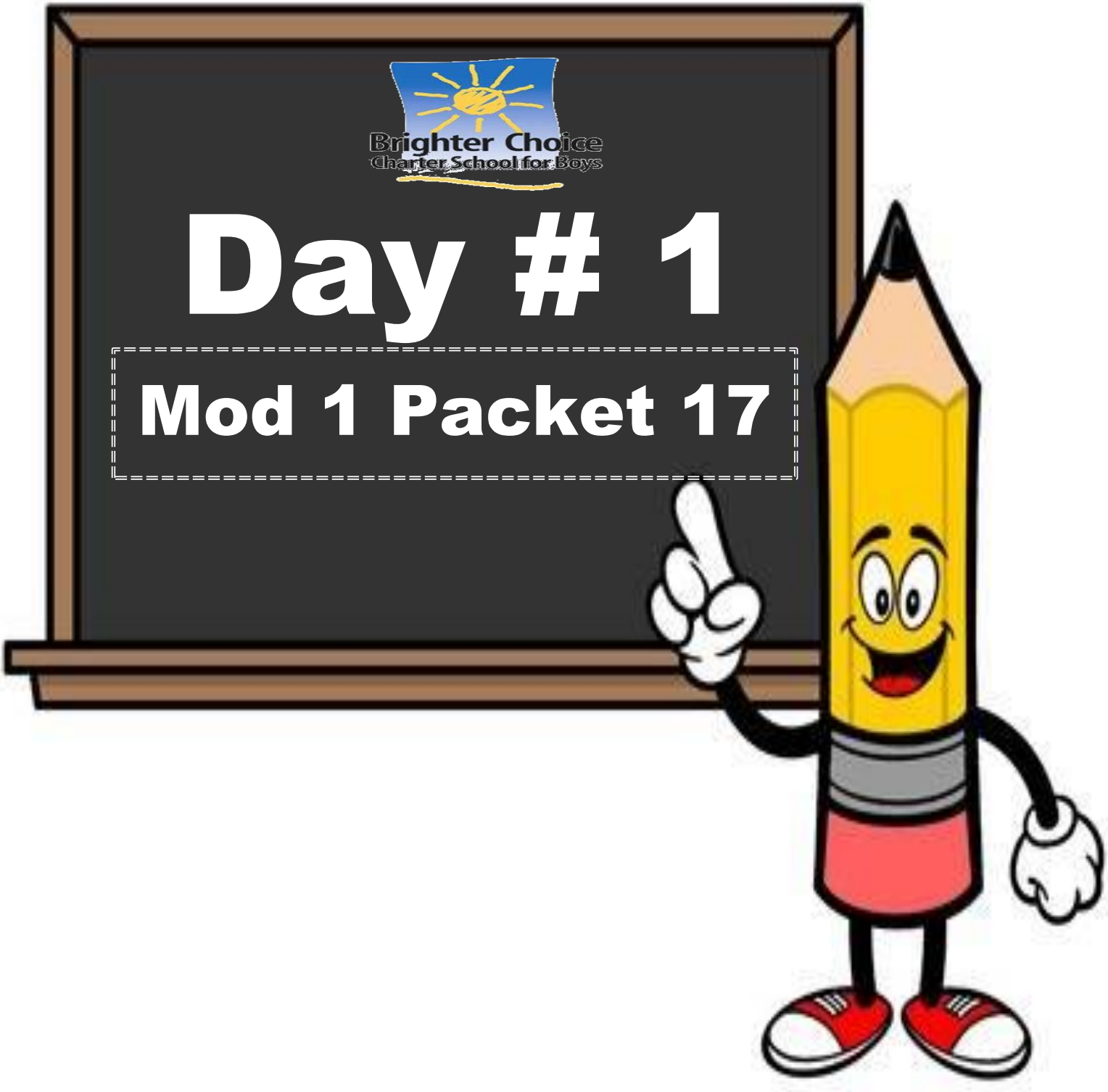
Dear Educator,

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.


Brighter Choice
Charter School for Boys
Day # 1
Mod 1 Packet 17

Name:_____ Week 5 Day 1 Date:_____

BCCS-Boys Stanford MIT

Do Now

3.54 ÷ 3 =

$$3\overline{)3.54}$$

82.6 ÷ 2 =

$$2\overline{)82.6}$$

Input Activity

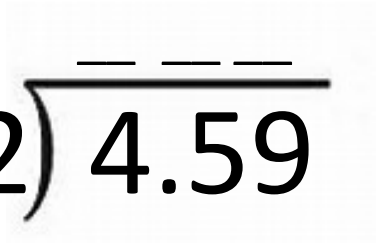
D

M

S

C

B



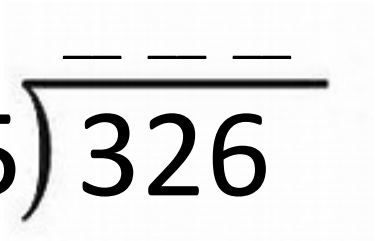
D

M

S

C

B



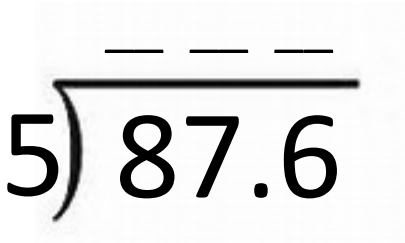
D

M

S

C

B



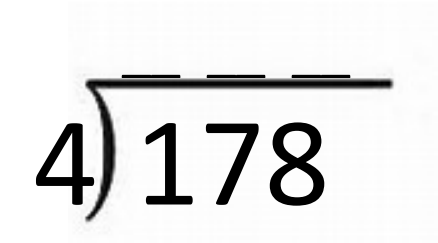
D

M

S

C

B



Problem Set:

Find the quotient.

Show your work!

515 ÷ 4

D

M

S

C

B

$4\overline{)515}$

14.2 ÷ 8

D

M

S

C

B

$8\overline{)14.2}$

Application Problem:

A bag of potato chips contains 0.96 grams of sodium. If the bag is split into 8 equal servings, how many grams of sodium will each serving contain?

C

U

B

E

S

Answer Statement:_____

_____

Exit Ticket

Find the quotient using DMSCB. Show all work.

784 ÷ 5

D

M

S

C

B

$5\overline{)\,784}$

7.45 ÷ 2

D

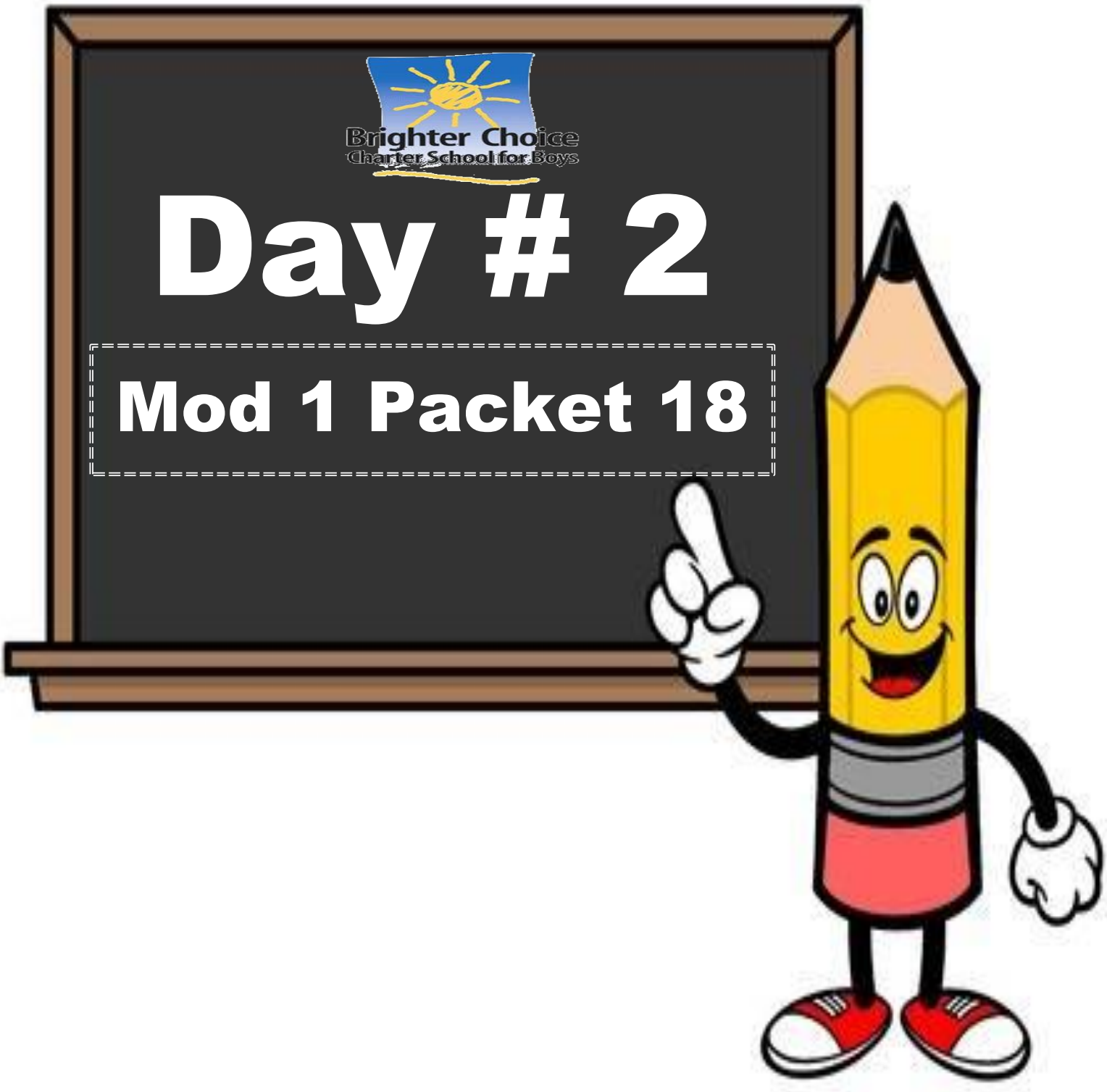
M

S

C

B

$2\overline{)\,7.45}$


Brighter Choice
Charter School for Boys
Day # 2
Mod 1 Packet 18

Name:_____ Week 5 Day 2 Date:_____

BCCS-Boys Stanford MIT

Do Now

3.64 ÷ 7 =

$$7\overline{)3.64}$$

.984 ÷ 4 =

$$4\overline{).984}$$

Input Activity:

Model

Ms. Young distributed $126 equally among her 4 children for their weekly allowance. How much did each child receive?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

We Do Together:

Use your answer from the page before to help you solve this next problem.

John, the oldest child, paid his siblings to do his chores. If John pays his allowance equally to his brother and two sisters, how much money will each sibling have received in all?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

We Do Together:

A gardener installed 42.6 meters of fencing in a week. He installed 13.45 meters on Monday and 9.5 meters on Tuesday. He installed the rest of the fence in equal lengths on Wednesday, Thursday, and Friday. How many meters of fencing did he install on each of the last three days?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

Jenny charges $9.15 an hour to baby-sit toddlers and $7.45 an hour to baby-sit school-aged children. If Jenny baby-sat toddlers for 9 hours and school-aged children for 6 hours, how much money did she earn in all?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

Problem Set:

Solve each problem using the C-U-B-E-S Process.

Show your work.

1) The bakery uses O.475 kg of flour to make a batch of muffins, and 0.65 kg to make a loaf of bread.

If 4 batches of muffins and 5 loaves of bread are baked, how much flour will be used in all?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

Application Problem:

Jomal and three friends buy snacks for a hike. They buy trail mix for $5.42, apples for $2.55, and granola bars for $3.39. If the four friends split the cost of the snacks equally, how much should each friend pay?

Use the C-U-B-E-S process to solve this problem.

C

U

B

E

S

Answer Statement:_____

_____

Exit Ticket

Use the C-U-B-E-S process to solve the following problem. Show all work.

A table and 8 chairs weigh 235.68 lb together. If the table weighs 157.84 lb, what is the weight of one chair in pounds?

C

U

B

E

S

Answer Statement:_____

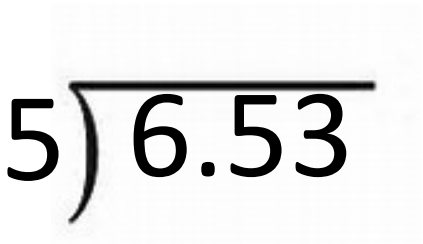
_____


Brighter Choice
Charter School for Boys
Day # 3
End of SPA Mod 1 Review

Name:_____ Week 5 Day 3 Date:_____

BCCS-Boys Stanford MIT

Do Now

6.53 ÷ 5 = 
9.87 x 6 =

Module 1 End of-Module Review

Philip rode his bike for 4.3 miles on Saturday and 3.12 miles on Sunday. How much did he ride his bike in all?

Answer _____ miles

What is the value of the following expressions?

5.89×10^2 52.34×10^3

What is the product of 6.78 and 3?

A. 2034
B. 2.034
C. 20.34
D. 203.4

James weighed a pumpkin that weighed 14.25 lbs. He found a second pumpkin that weighed 12.4 lbs. What was the weight of both pumpkins?

Answer _____lbs

What is the product of 12.5 and 8?

Answer:_____

What is the value of the following expression?

56.3 – 18.29

What is the product of 1.04 and 5 in expanded form?

Answer:_____

Clara ran six miles in 30.54 minutes. How many minutes did it take her to run one mile if it took her the same amount of time to run each mile?

A. 5.09
B. 5.90
C. 4.09
D. 4.82

What is the product of 0.94 and 4 in expanded form?

A. $(3 \times 10) + (7 \times \frac{1}{10}) + (6 \times \frac{1}{100})$
B. $(3 \times 1) + (7 \times \frac{1}{10}) + (6 \times \frac{1}{100})$
C. $(3 \times \frac{1}{10}) + (7 \times \frac{1}{10}) + (6 \times \frac{1}{100})$
D. $(3 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

Write the following number in word form

6.078 _____

_____

Sydney ate 5 slices of pizza in 7.15 minutes. How many minutes did it take him to eat one slice of pizza if it took him the same amount of time to eat each slice of pizza?

A. 1.23 minutes
B. 1.33 minutes
C. 1.43 minutes
D. 1.53 minutes

What is 79.154 expressed in word form?

A. seventy-nine and one hundred fifty-four
B. seventy-nine and one hundred fifty-four hundredths
C. seventy-nine one hundred fifty-four thousandths
D. seventy-nine and one hundred fifty-four thousandths

Round the following numbers to the nearest tenth.

5.918 _____ 76.582 _____ 3.41 _____

What is the sum of 12 tenths + 9 tenths + 45 hundredths ?

A. 2.55
B. 66
C. 1.47
D. 1.74

Round the following number to the whole number.

4.27 _____ 18.501 _____ 75.13 _____

Mr. Rhodes buys a coffee every single day for 5 days. At the end of the week he spent $12.25. If he spent the same amount of money each day, how much did he spend each day?

C

U

B

E

S

Answer Statement _____

What is the sum of 45 tenths + 3 tenths + 16 hundredths

Answer _____

Gary and his 4 friends decided to go to the movies last weekend. They got a bundle pass for $56.25. If the cost was split evenly by the friends, how much did each friend pay?

C

U

B

E

S

Answer Statement _____

_____

Mrs. Clute mixed the following fruit juices to create a bowl of fruit punch for the party.

Fruit Juice	Amount Added in Liters
Pineapple	2.54 liters
Orange	1.05 liters
Grape	1.10 liters
Apple	.870 liters

About how much juice did she use in liters. Estimate the amount of each fruit juice by rounding to the nearest tenth of a liter.

Pineapple ≈ _____ Orange ≈ _____

Grape ≈ _____ Apple ≈ _____

What is the sum of the estimated amounts?

Answer _____liters

What is the actual amount of juice that was used to make the fruit punch?

Answer _____liters

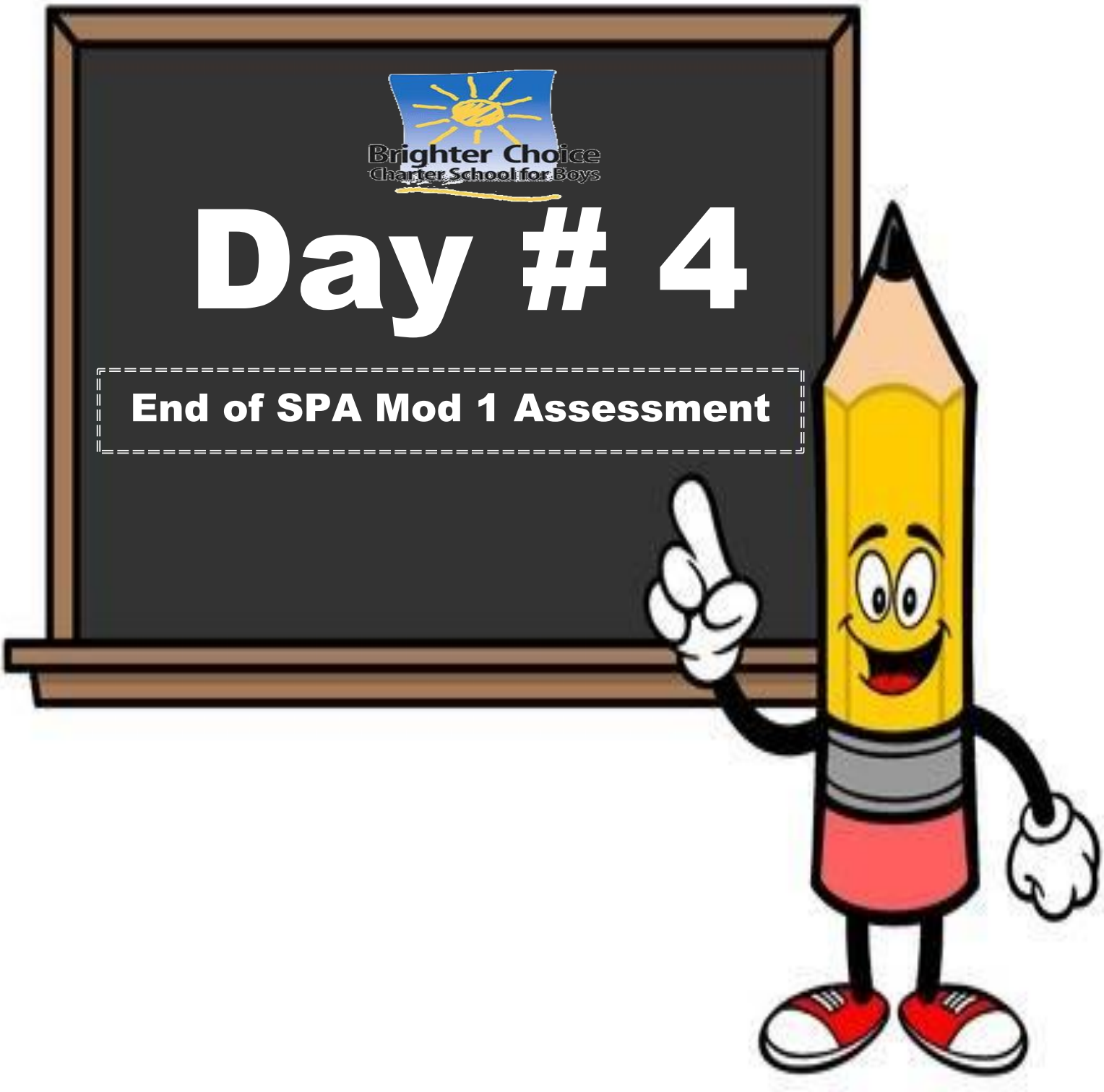
What is the difference between your estimated amount and actual amount?

Answer _____liters

What is the value of the following expression?

91.7 – 45.39

Answer _____


Brighter Choice
Charter School for Boys
Day # 4
End of SPA Mod 1 Assessment

Name:_____ Week 5 Day 4 Date:_____

BCCS-Boys Stanford MIT

End of Mod 1 SPA Assessment

Part 1 – Multiple Choice

Google Classroom – Math Class – Classwork – Click the Google Form

Part 2 – Complete the Part 2 and submit your answers on EdLight. Show your work in the spaces below!

12. Chemical A: 10.357 ≈ _____

Chemical B: 12.062 ≈_____

Chemical C: 7.506 ≈_____

13. Rounded sum of medicine mixed by Dr. Mann.

Answer _____grams

14. Find the sum of the actual amounts of medicine mixed by Dr. Mann.

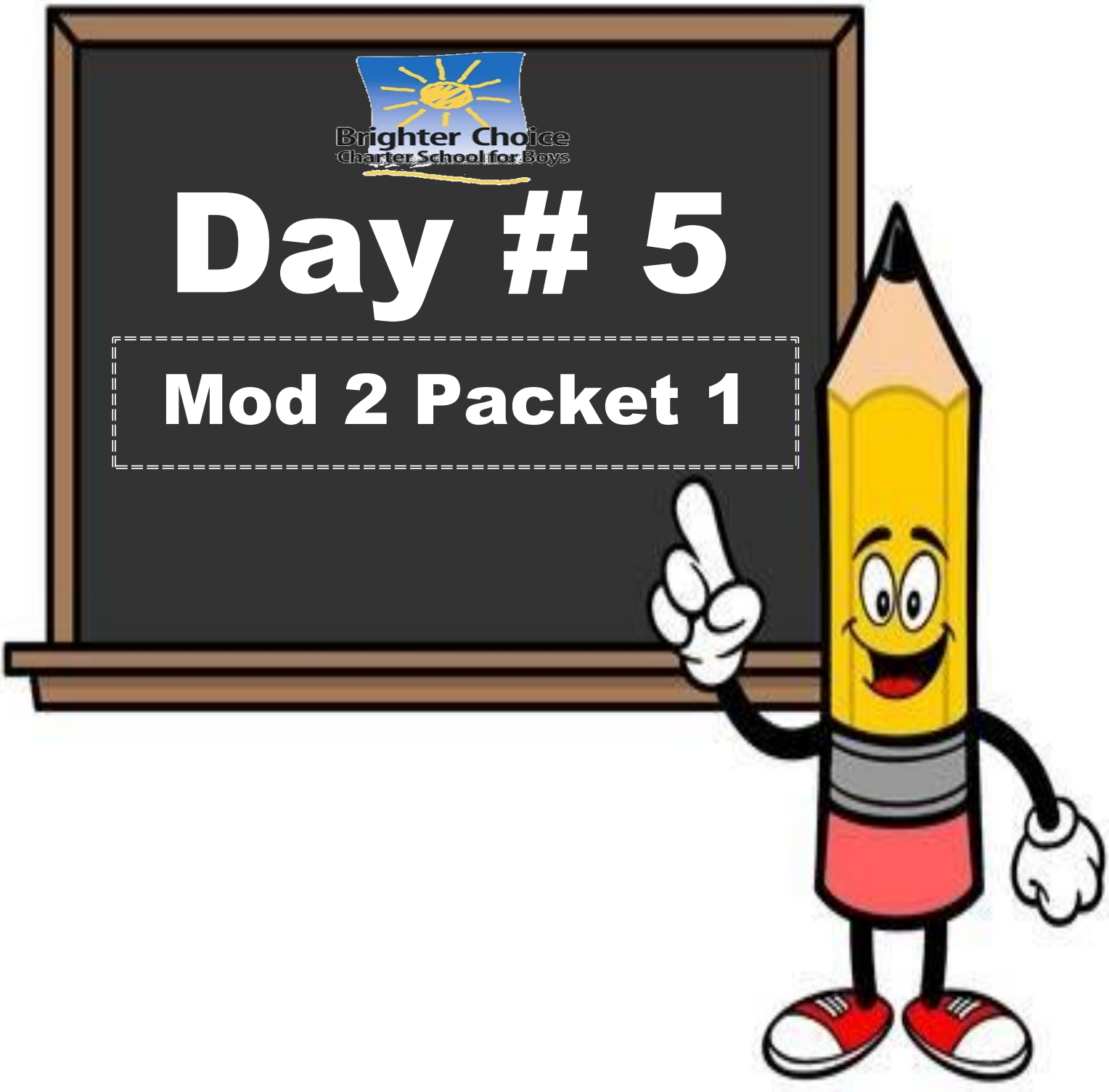
Answer _____grams

15. What is the difference between your estimated amount and actual amount?

Answer _____grams

16. How many pounds of peanuts were in each bag?

Answer: _____ pounds


Brighter Choice
Charter School for Boys
Day # 5
Mod 2 Packet 1

Name:_____ Week 5 Day 5 Date:_____

BCCS-Boys Stanford MIT

Do Now

The members of the Science Club went to a history museum. It cost $7.25 for each member of the club. If 9 members went to the museum, how much would the total cost be?

Answer Statement_____

Elijah had $73.85. He wants to divide this amount evenly between himself and four of his friends. How much should each person get?

Answer Statement_____

Input Activity

4 x 30

Ignore all zeros

Multiply 4 x 3 = _____

Add the zeros to end

Final Product: _____

---

40 x 30

Ignore all zeros

Multiply 4 x 3 = _____

Add the zeros to end

Final Product: _____

---

40 x 300

Ignore all zeros

Multiply 4 x 3 = _____

Add the zeros to end

Final Product: _____

4,000 x 30

Ignore all zeros

Multiply 4 x 3 = _____

Add the zeros to end

Final Product: _____

_____

60 x 5

Final Product: _____

_____

60 x 50 = _____

Final Product: _____

_____

60 x 500 = _____

Final Product: _____

---

60 x 5,000 = _____

Final Product: _____

---

451 x 8 = _____

Final Product: _____

451 x 80 = _____

Final Product: _____

_____

4,510 x 80 = _____

Final Product: _____

_____

4,510 x 800 = _____

Final Product: _____

Problem Set:

Fill in the blanks using your knowledge of place value and basic facts.

a. 23 × 20= _____	b. 230 × 20= _____
c. 41 × 4 = _____	d. 410 × 400 = _____
e. 3,310 × 300 = _____	f. 500 × 600 = _____

Application Problem:

Tickets to a baseball game are $10 for an adult and $5 for a student. A school buys tickets for 45 adults and 600 students. How much money will the school spend for the tickets?

Answer: _____

Exit Ticket

Find the products. Show all work.

1,900 x 20 = _____	250 x 300 = _____
6,000 x 50 = _____	500 x 200 = _____

Name _____

5th Grade Modified Math Remote Learning Packet

Week 6

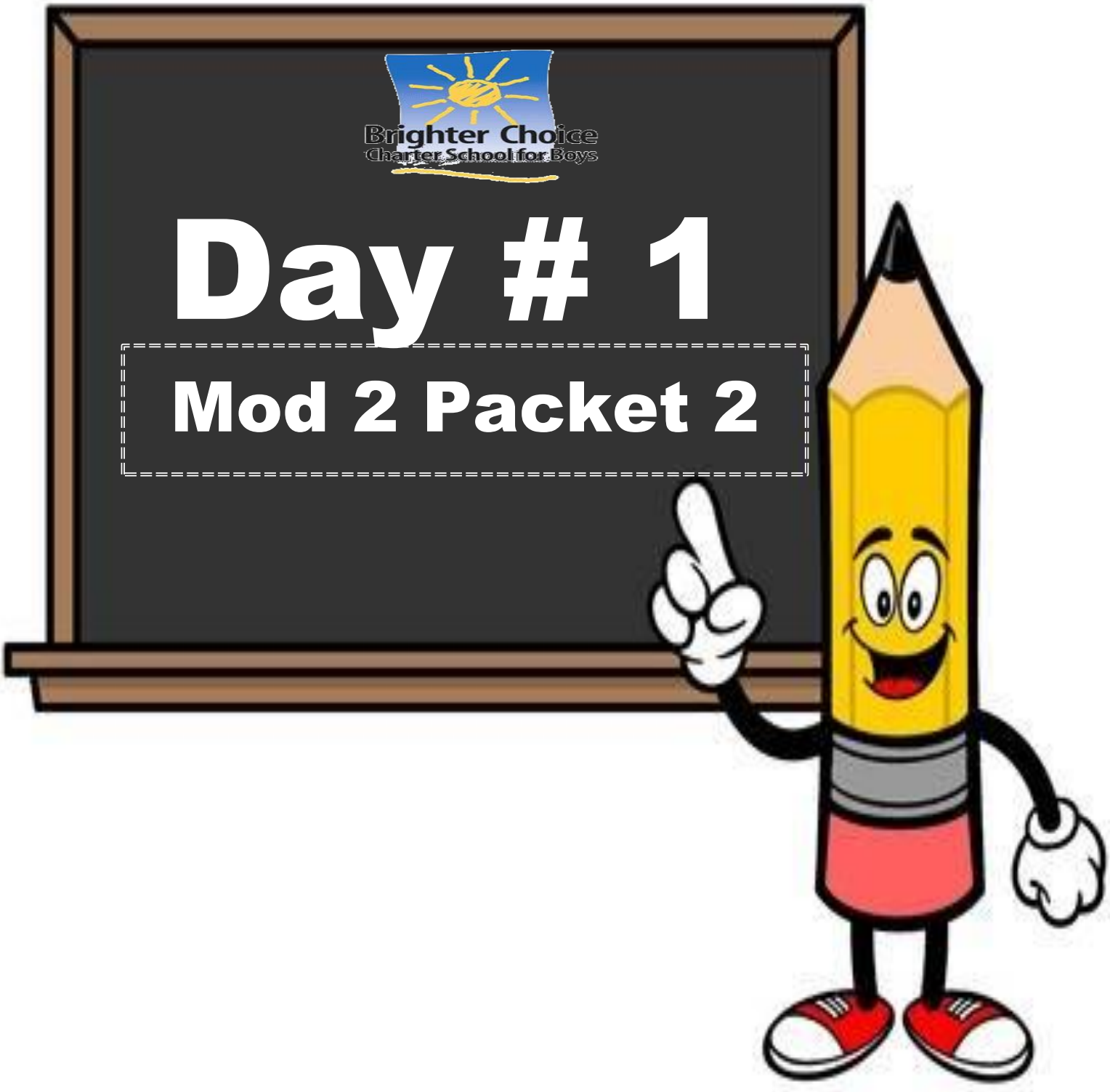
Dear Educator,

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.


Brighter Choice
Charter School for Boys
Day # 1
Mod 2 Packet 2

Name:_____ Week 6 Day 1 Date:_____

BCCS-Boys Stanford MIT

Do Now

Oliver and James bought a new PS4 game this past weekend with their own money. The total amount of the game was $64.12. If both boys split the cost of the game, how much did each boy have to pay?

C
U
B
E
S

Answer Statement_____

Sebastian charges $8.75 an hour to mow lawns and $7.25 an hour to walk dogs. If Sebastian mows lawns for 4 hours and walks dogs for 5 hours, how much money did he earn in all?

C
U
B
E
S

Answer Statement_____

Input Activity

How many scholars do we have in class? _____

How many scholars are in the other class?_____

What is the actual number of scholars in 5th grade?_____

About how many scholars are in 5th grade?_____

Key Term:

Estimate _____

Front-End Estimation _____

_____

Steps to Estimating Sums/Differences	**Ex:**
1. Put an X under the problem. 2. Draw arrows to right. 3. Round each number to the given place. If no place is given, use front-end estimation.	5,672-----> +3,253-----> X 47,892-----> - 13,024-----> X

390,942----->
- 81,923----->

77,832----->
+ 32,363----->

124,674----->
+ 413,024----->

942,863----->
- 123,964----->

97,563----->
+ 63,912----->

8,153,672----->
- 5,814,034----->

8,051,602----->
- 1,554,434----->

4,344,660----->
+ 1,356,116----->

Products

1. Put an X under the problem.
2. Draw arrows to right.
3. Round each number to the given place. If no place is given, use front-end estimation. If the number is single digit, leave it alone.
4. Multiply by multiples (ignore and move zeros to answer and multiply non zero numbers).

5,672----->
x 3----->

---

456 ----->
x 2 ----->

4,560----->
x 43----->

4,560----->
x 420----->

1,320----->
x 88----->

Problem Set:

Round the factors to estimate the products.

3,120----->
x 880----->

8,368----->
x 8----->

4,703----->
x 56----->

9,522----->
x 6----->

7,963----->
x 357----->

4,126----->
x 78----->

Application Problem:

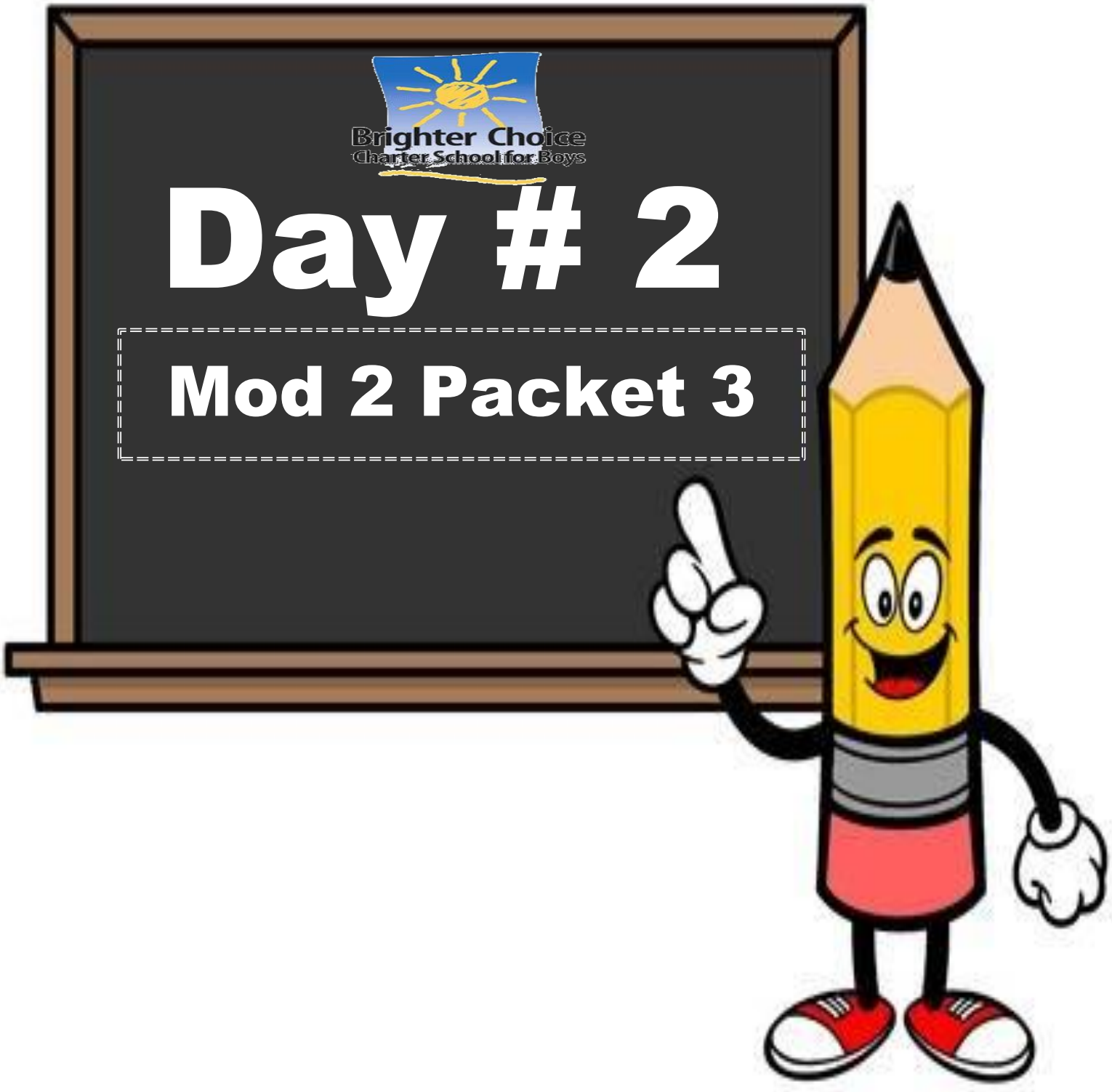
There are 19,763 tickets available for a New York Knicks home game. If there are 41 home games in a season, about how many tickets are available for all the Knicks' home games?

Answer: _____

Exit Ticket

Round the factors to estimate the products.

656 x 106 ≈ _____	3,106 x 7,942 ≈ _____
425 x 9,311 ≈ _____	8,633 x 7,008 ≈ _____


Brighter Choice
Charter School for Boys
Day # 2
Mod 2 Packet 3

Name:_____ Week 6 Day 2 Date:_____

BCCS-Boys Stanford MIT

Do Now

Estimate each product.

2,452-----> x 65----->	320-----> x 88----->
978-----> x 12----->	5,489-----> x 71----->

Input Activity:

Key Term:

Parentheses _____

Symbol _____

- **Whatever is in the _____ must be done _____.**

Double _____

Triple_____

Word Form to Numerical Expression

Problem 1:

3 times the sum of 26 and 4

Let's re-write it in numerical expression:

_____

Solve:

Problem 2:

3 times the difference between 60 and 51

Re-write it in numerical expression:

Solve:

Problem 3:

The sum of 2 twelves and 4 threes

Re-write it in numerical expression:

Solve:

Numerical Expression to Word Form

Problem 4:

8 x (43 – 13) word form: _____

Solve: **8 x (43 – 13)**

Problem 5:

(16 + 9) x 4 word form: _____

Solve: **(16 + 9) x 4**

Problem 6:

(20 x 3) + (5 x 3) word form: _____

Solve: **(20 x 3) + (5 x 3)**

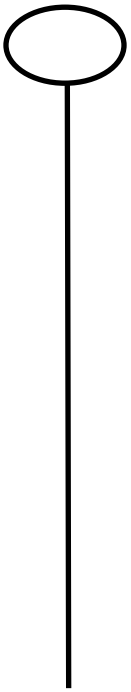
Comparison of Expressions in Word Form and Numerical Form

Use <, >, or = to solve each problem. You must solve each problem before comparing.

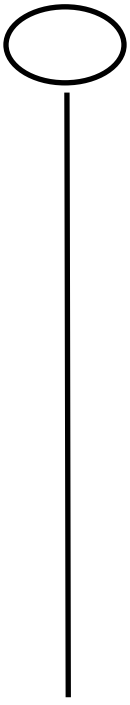
Problem 7:

9 x 13 ◯ **8 thirteens**

Problem 8:

The sum of 10 and 9, doubled  **(2 x 10) + (2 x 9)**

Problem 9:

30 fives minus fifteen  **29 x 10**

Problem Set:

Write the numerical expression, then solve.

a. The sum of 8 and 7, doubled Expression_____	b. 4 times the sum of 14 and 26 Expression_____

Write the numerical expression in words. Then solve. Remember to solve the parentheses first.

Expression	Words	The Value of the Expression (Solve)
(62 – 12) x 11		

Compare the two expressions using <, >, or =. Solve each expression before comparing.

4 × (20 + 5)	◯	(25 + 5) x 2

Application Problem:

Robin is 11 years old. Her mother is 2 years more than 3 times Robin's age. How old is Robin's mother?

Numerical Expression_____

Solve:

Answer : _____

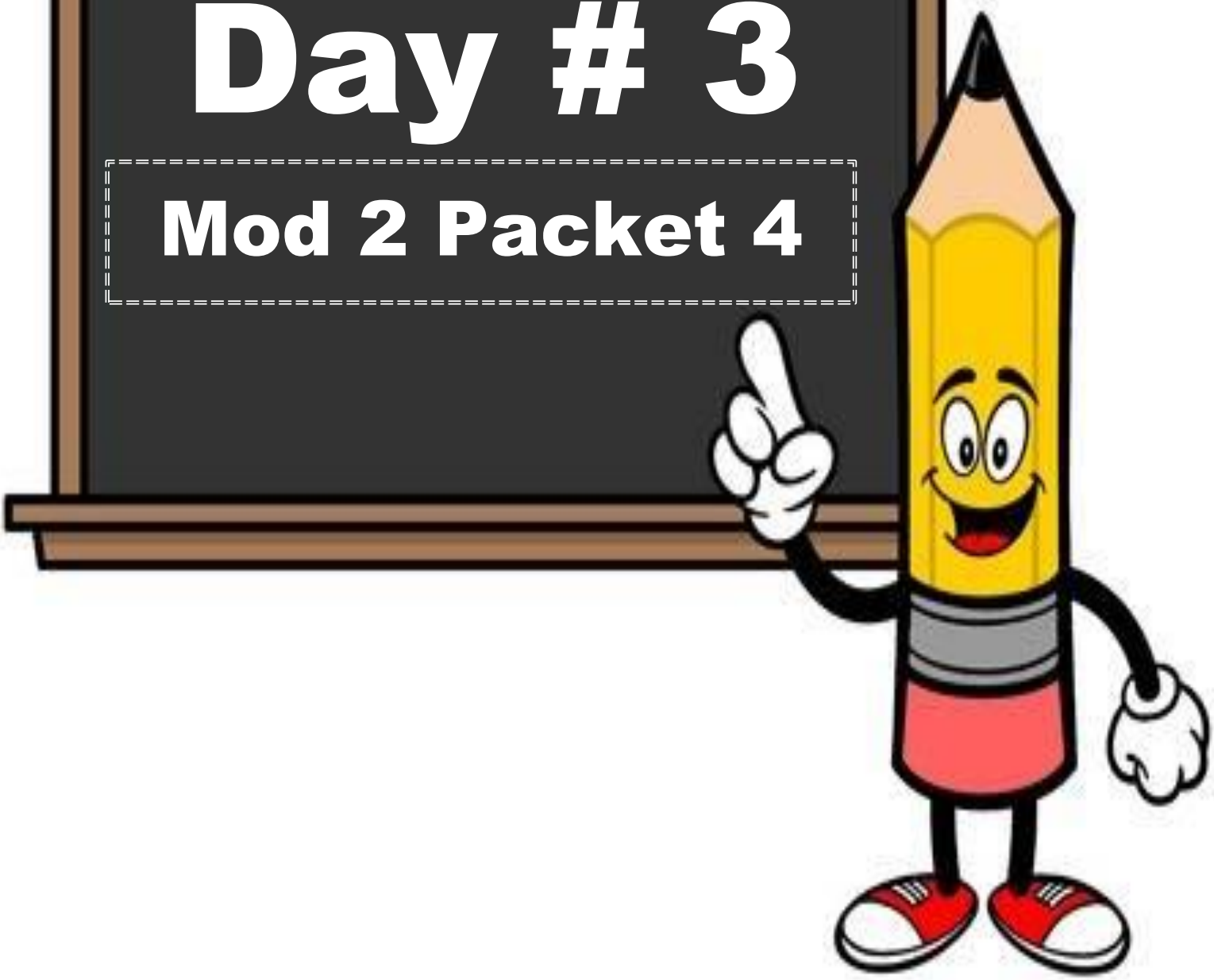
Exit Ticket

Write the numerical expression in words. Then solve. Remember to solve the parentheses first.

a. 5 times the sum of 16 and 4 Expression _____	b. The sum of 5 twos and 2 threes Expression _____
c. The difference between 8 sevens and 7 fours Expression_____	d. 6 times the sum of 12 and 8 Expression_____

Day # 3

Mod 2 Packet 4



Name:_____ Week 6 Day 3 Date:_____

BCCS-Boys Stanford MIT

Do Now

Estimate each product.

3,487-----> x 26----->	4,892-----> x 531----->
9,270-----> x 41----->	6,419-----> x 57----->

Input Activity

Word Form to Numerical Expression

Problem 1:

8 times the sum of 12 and 14

Let's re-write it in numerical expression:

Solve:

Problem 2:

5 times the difference between 72 and 57

Re-write it in numerical expression:

Solve:

Problem 3:

The sum of 8 tens and 2 fives

Re-write it in numerical expression:

Solve:

Problem 4:

The sum of 3 eights and 7 sixes

Re-write it in numerical expression:

Solve:

Numerical Expression to Word Form

Problem 5:

3 x (40 – 12) word form: _____

Solve: **3 x (40 – 12)**

Problem 6:

(14 + 2) x 4 word form: _____

Solve: **(14 + 2) x 4**

Problem 7:

(10 x 5) + (15 x 3) word form: _____

Solve: **(10 x 5) + (15 x 3)**

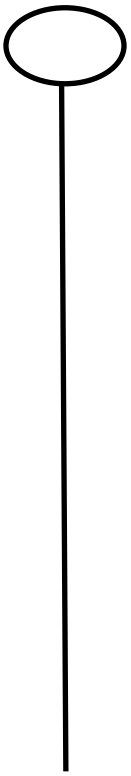
Comparison of Expressions in Word Form and Numerical Form

Use <, >, or = to solve each problem. You must solve each problem before comparing.

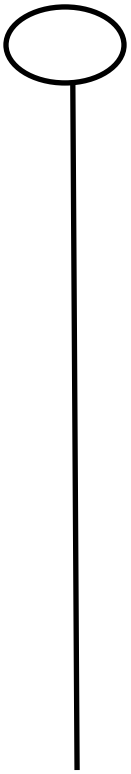
Problem 8:

9 x 12 ◯ **8 fives**

Problem 9:

The sum of 14 and 2, doubled  **(3 x 10) + (2 x 9)**

Problem 10:

6 fourteens minus eight  **22 x 5**

Problem Set:

Write the numerical expression, then solve.

a. The sum of 4 and 5, doubled Expression_____	b. 3 times the difference of 41 and 26 Expression_____
c. 2 times the sum between 37 and 24 Expression_____	d. The sum of 3 sixes and 8 fives Expression_____
e. The difference between 7 sevens and 3 eights Expression_____	f. Triple the sum of 25 and 17 Expression_____

Application Problem:

Alex is 10 years old. His grandmother is 5 years more than 4 times Alex's age. How old is Alex's grandmother?

Write a numerical expression _____

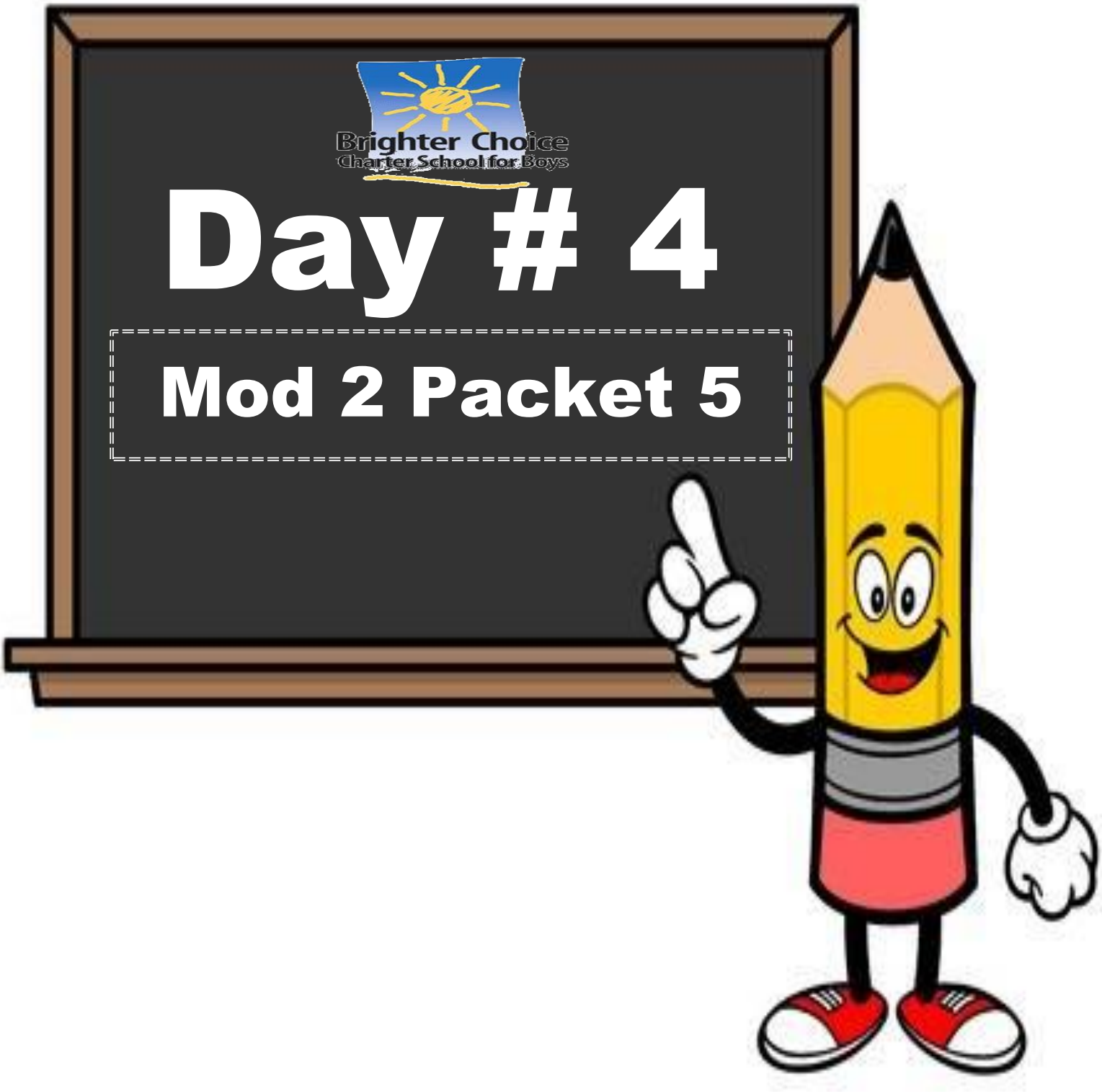
Solve:

Answer: _____

Exit Ticket

Write the numerical expression, then solve. Remember to solve the parentheses first.

a. The sum of 62 and 24, tripled Numerical Expression _____ Solve:	b. 3 times the sum of 4 and 22 Numerical Expression _____ Solve:
c. 8 times the difference between 34 and 26 Numerical Expression _____ Solve:	d. The sum of 3 sixes and 4 fives Numerical Expression _____ Solve:


Brighter Choice
Charter School for Boys
Day # 4
Mod 2 Packet 5

Name:_____ Week 6 Day 4 Date:_____

BCCS-Boys Stanford MIT

Do Now

Write the numerical expression, then solve.

The sum of 14 and 23, doubled Expression_____	5 times the difference of 75 and 28 Expression_____
Triple the sum of 22 and 45 Expression_____	The product of 5 and 6, doubled Expression_____

Input Activity

Multiplying 2 digits using area models.

Steps:

1. _____ both factors. Write one part above each box.
2. _____ each top number with side number to get a partial product in each box.
3. _____all of the _____ _____ get your final answer.

Problem 1: 38 x 29

	30	8
20		
9		

Problem 2:

49 x 21

Problem 3:

82 x 51

Problem 4:

65 x 46

Problem 5:

97 x 23

Problem 6:

72 x 18

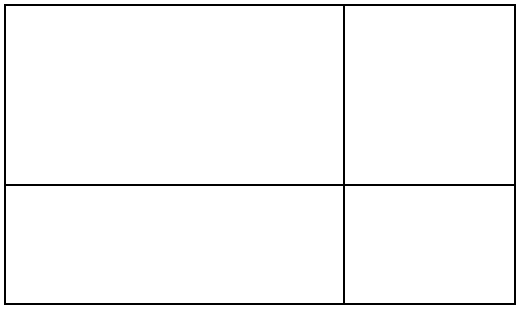
Problem 7:

43 x 64

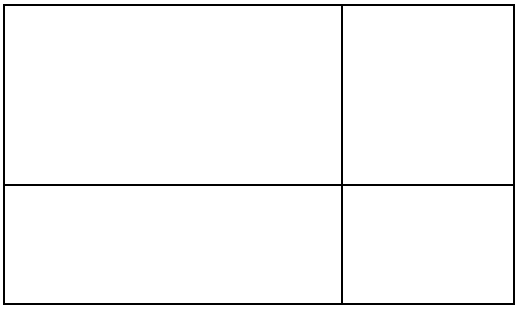
Problem Set:

Use the area model to solve each problem

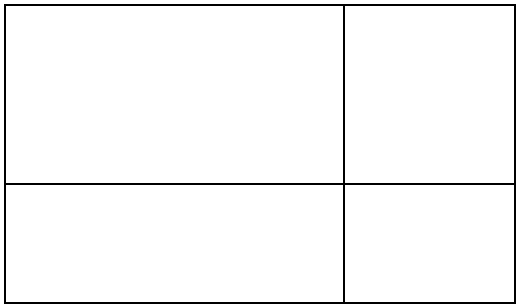
77 x 54



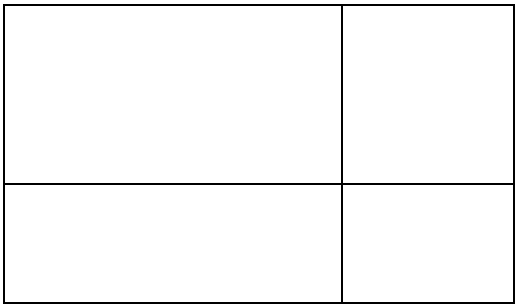
92 x 14



85 x 33

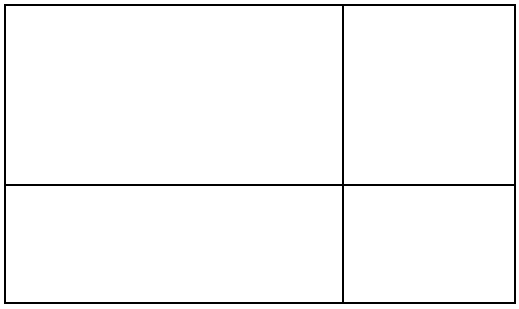


69 x 51



Application Problem

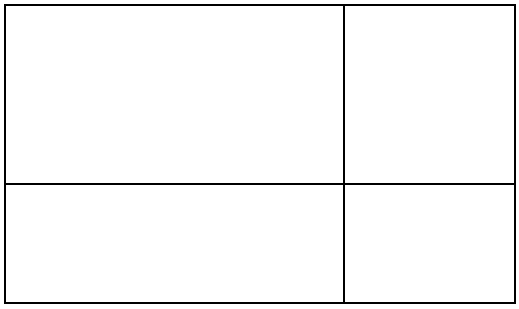
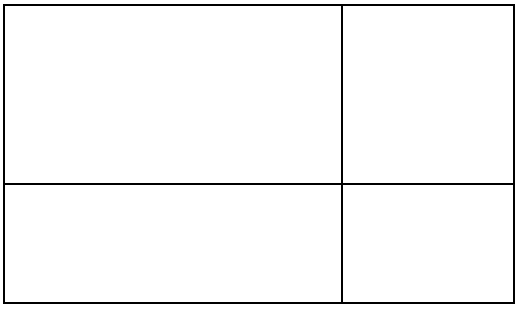
Jaxon earned $19 raking leaves. His brother, Dwayne, earned 12 times as much waiting on tables. How much money did Dwayne earn?

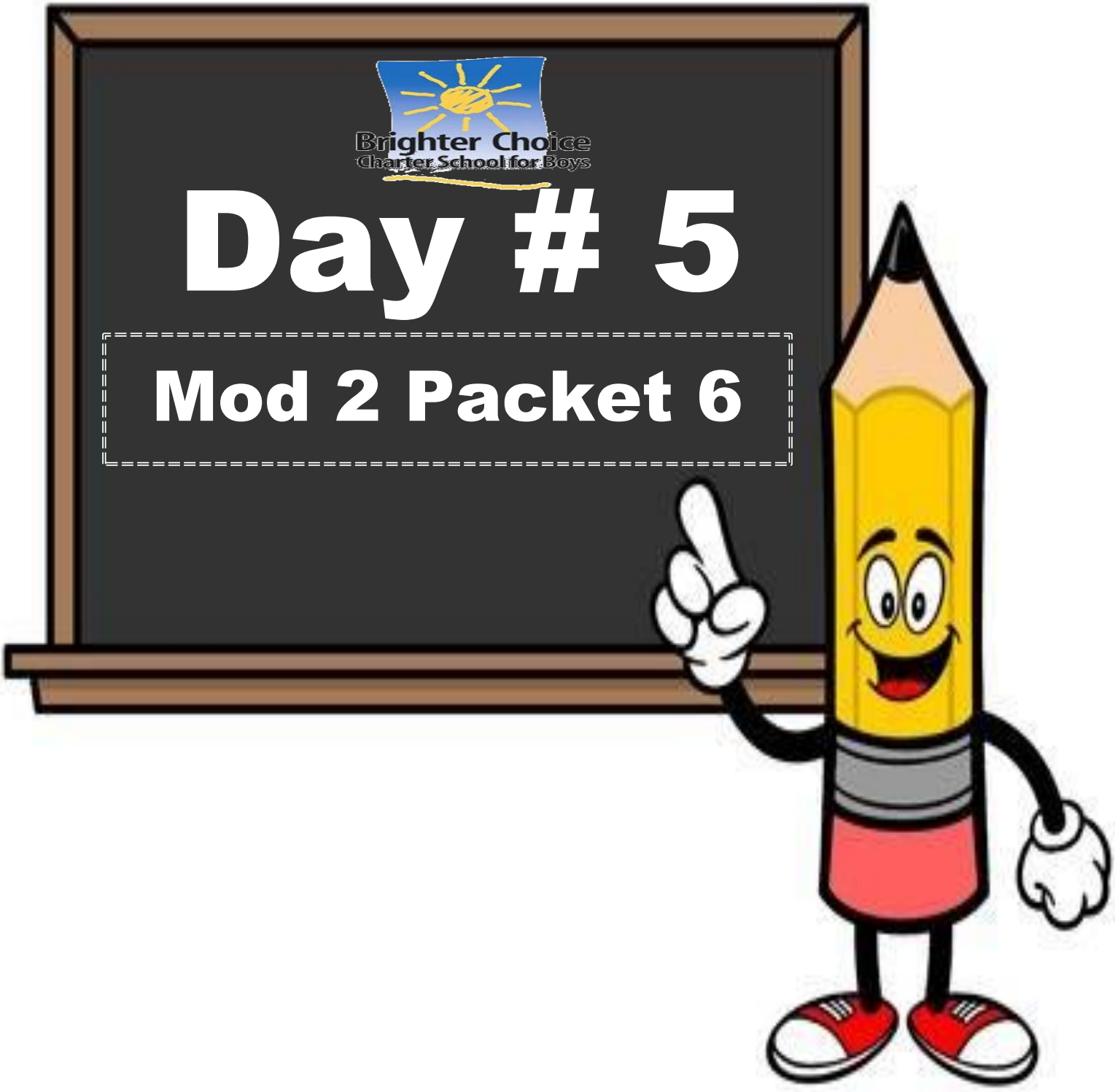


Answer:_____

Exit Ticket

Use the area model to solve each problem

59 x 52	42 x 88
	

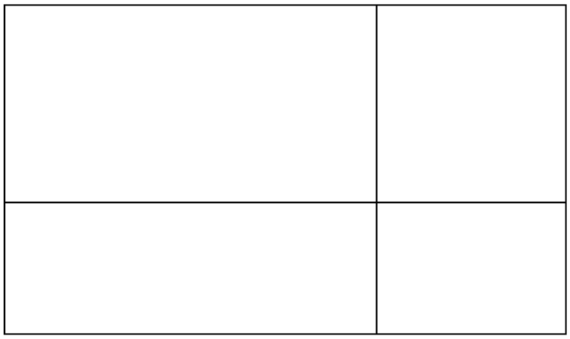

Brighter Choice
Charter School for Boys
Day # 5
Mod 2 Packet 6

Name:_____ Week 6 Day 5 Date:_____

BCCS-Boys Stanford MIT

Do Now

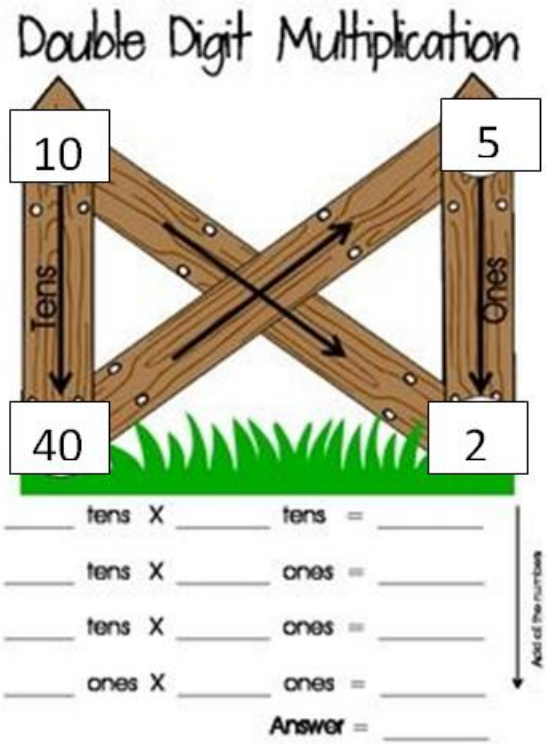
Use the area model to solve each problem

57 x 41	62 x 18
	

Input Activity

Bow Tie Method

15 x 42



Steps

1. Expand the factors.
2. Multiply tens by tens.
3. Multiply tens by ones.
4. Multiply tens by ones.
5. Multiply ones by ones.
6. Add all of the partial products.

Problem 1:

24 x 67

Problem 2:

25 x 46

Partial Product

Steps:	Examples
1. Draw parentheses (2 for double digit problems) 2. Expand one of the factors and write both parts in different parentheses. 3. Write the other factor in both parentheses. 4. Solve for each parentheses. These are the partial products. 5. Add your partial products to get your final product.	84 x 12 (x) + (x)
Problem 3: **26 x 48**	**Problem 4:** **127 x 43**

Problem 5:

49 x 24

Problem 6:

372 x 51

Problem Set:

Choose a method to solve each problem.

82 x 12	18 x 77
45 x 64	572 x 21

Application Problem:

A Ferris wheel completes a rotation in 53 seconds. How many seconds in all would it take to complete 13 rotations?

Answer: _____

Exit Ticket

Choose a method to solve each problem.

717 x 14	75 x 64
149 x 62	26 x 94