Name _____

5th Grade Modified Math Remote Learning Packet

Week 9

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.

_____ _____

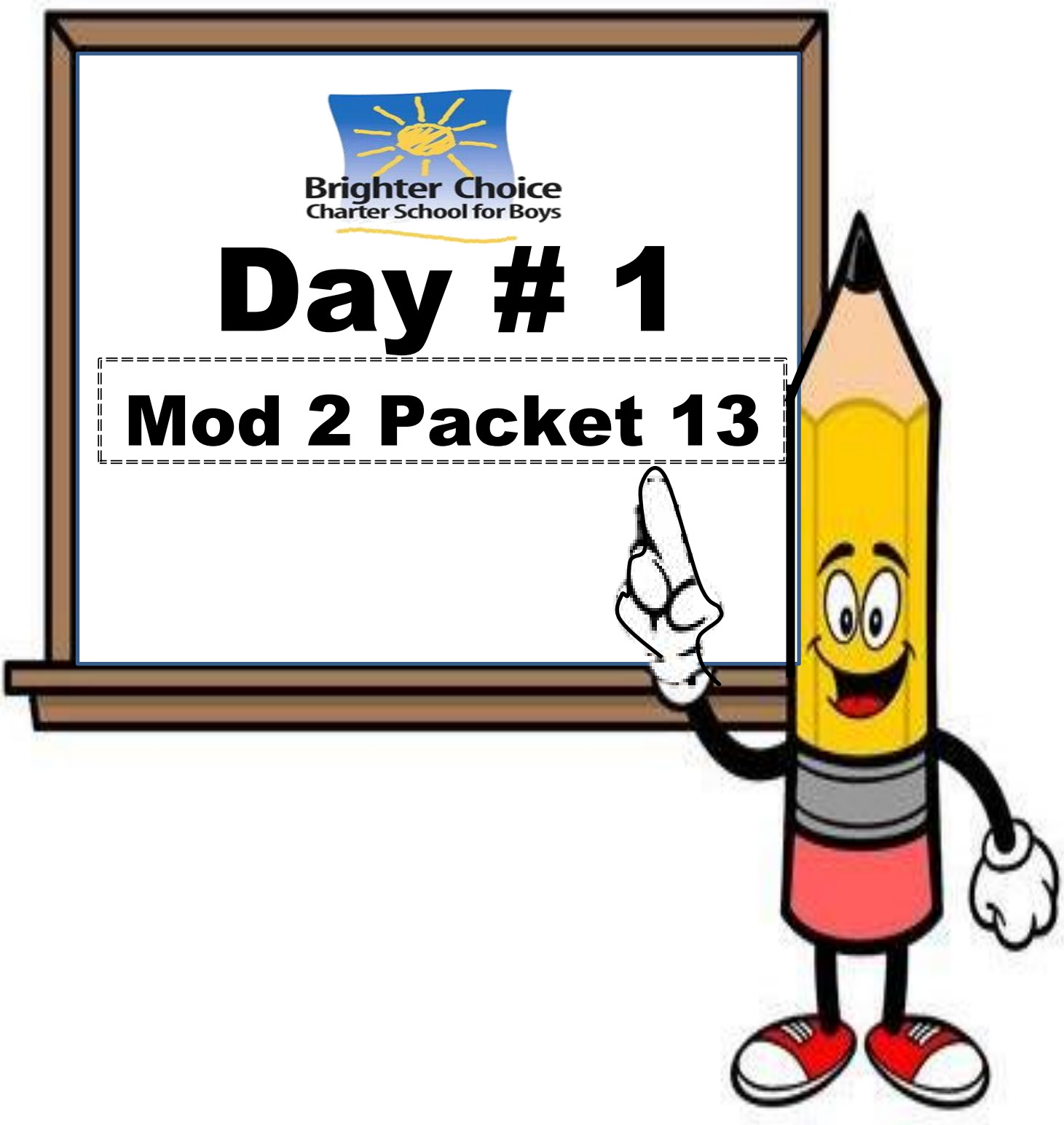
(Parent Signature) (Date)

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

Mod 2 Packet 13



Name:_____ Week 9 Day 1 Date:_____

BCCS-Boys Stanford MIT

Do Now

2.49 x 83

Key Terms:

Conversion Factor – When 2 things equal amount

Ex: 1 hour = 60 minutes

Can you think of anything else?

Conversion Chart

millimeters, centimeters, meters, kilometers

1 cm = 10 mm

1 m = 100 cm

1m = 1,000 mm

1km = 1,000 m

milligrams, grams, kilograms

1 g = 1,000 mg

1 kg = 1,000 g

ounces, pounds, tons

1lb = 16 oz

1 ton = 2,000 lb

fluid ounces, cups, pints, quarts, gallons

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 gallon = 8 pints

milliliters, liters, kiloliters

1 liter = 1,000 ml

1 kl = 1,000 liters

inches, feet, yards, miles

1 mile = 5,280 ft

1 mile = 1,760 yd

1 ft = 12 in

1 yd = 3 ft

1 yd = 36 in

seconds, minutes, hours, days, months, years

1 min = 60 sec

1 hr = 60 min

1 day = 24 hr

1 month = 28(29), 30 31 days

1 year = 12 months

1 year = 365 days

Model:

Input Activity:

Problem 1

Did we convert from a larger to a smaller unit or a smaller to a larger unit?

1 week = _____ days

2 weeks = _____ days

---

3 weeks = ? days

Conversion Factor

3 weeks x _____days

3 weeks = _____ days

Problem 2

1 m = _____ cm

2 m = _____ cm

6 m = _____ cm

Now try this…

Did we convert from a larger to a smaller unit or a smaller to a larger unit?

1.05 m = ? cm

Conversion Factor

1.05 m x _____cm

= _____cm

Problem 3

1 m = _____ mm

4 m = _____ mm

Now try this…

0.05 m = ? mm

1 m = _____mm

0.05 × _____ mm

= _____mm

Problem 4

1 kg = _____ g

8 kg = _____ g

A crate of apples weighs 5.7 kilograms. Convert the weight to grams.

1 kg = _____ g

5.7 × _____ g

= _____ g

Problem 5

1 yd = _____ ft

6 yd = _____ft

8.6 yd = _____ ft

Problem 6

1 pound (lb) = _____ oz

9 lbs = _____ oz

A sack holds 6.7 pounds of sand. Convert the weight to ounces.

1 lb = _____ oz

6.7 × _____ oz

=_____ oz

Problem 7

1 year = _____ days

7 years = _____ days

Problem Set:

a. Convert 8 weeks to days. 1 week = _____days 8 × _____ days = _____ days	b. Convert 4 years to days. 1 year = _____days 4 × _____ days = _____ days
c. Convert 9.2 m to cm. 1 m = _____cm 9.2 × _____ cm = _____ cm	d. Convert 5.7 yards to feet. 1 yd = _____ ft 5.7 x _____ft = _____ ft

Application Problem:

A newborn baby giraffe weighs about 65 kilograms. How much does it weigh in grams?

Answer _____ grams

Exit Ticket

a. Convert 4 pounds to ounces.

1 pound = _____ ounces

4 pounds x _____ ounces

= _____ ounces

b. Convert 1.5 yards to feet.

1.5 yards = _____ feet

1.5 yards x _____feet

= _____ feet

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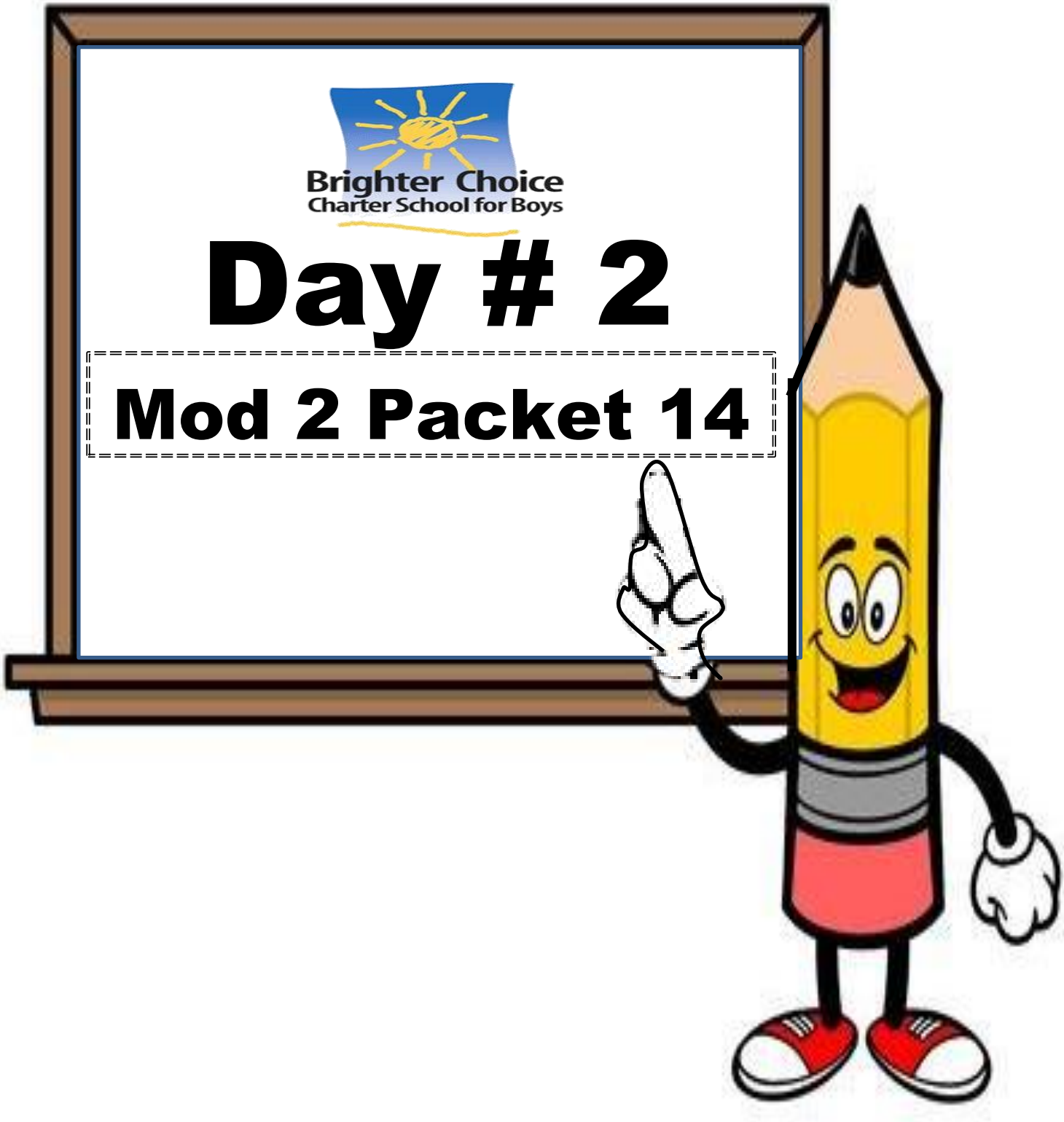
Day # 2

Mod 2 Packet 14



Name:_____ Week 9 Day 2 Date:_____

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Do Now

Convert 2.34 meters to centimeters.(Use conversion chart)

1 m = _____cm

2.34m x _____cm

_____cm

Convert 5.78 kg to grams. (Use conversion chart)

1 kg = _____g

5.78 kg x _____ g

_____g

Conversion Chart

millimeters, centimeters, meters, kilometers

1 cm = 10 mm

1 m = 100 cm

1m = 1,000 mm

1km = 1,000 m

milligrams, grams, kilograms

1 g = 1,000 mg

1 kg = 1,000 g

ounces, pounds, tons

1lb = 16 oz

1 ton = 2,000 lb

fluid ounces, cups, pints, quarts, gallons

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 gallon = 8 pints

milliliters, liters, kiloliters

1 liter = 1,000 ml

1 kl = 1,000 liters

inches, feet, yards, miles

1 mile = 5,280 ft

1 mile = 1,760 yd

1 ft = 12 in

1 yd = 3 ft

1 yd = 36 in

seconds, minutes, hours, days, months, years

1 min = 60 sec

1 hr = 60 min

1 day = 24 hr

1 month = 28(29), 30 31 days

1 year = 12 months

1 year = 365 days

Model:

Input Activity

Problem 1

1 yd = _____in

5 yd = _____in

6.3 yd = _____in

Problem 2

An alligator is 2.3 yards long. What is the length of alligator in feet?

1 yd = _____ ft

2.3yd x _____ft

= _____ ft

Problem 3

1 kg = _____g

9kg = _____g

5.6kg = _____g

12.34 kg = _____g

Problem 4

A small female gorilla weighs 68 kilograms. How much does she weigh in grams?

1 kg = _____ g

68 kg x _____g

= _____ g

Problem 5

1 pound (lb) = _____ oz

3 lbs = _____ oz

10 lbs = _____ oz

2.3 lb = _____oz

Problem 6

A large bag of dog food weighs 9.5 pounds. Convert the weight to ounces.

1 lb = ____ oz

9.5 lb × _____oz

= _____oz

Problem Set: (Use conversion chart)

a. Convert 7 yards to inches. 1yd = _____in 7 × _____ in = _____ inches	b. Convert 3 years to days. 1 year = _____days 3 × _____ days = _____ days
c. Convert 8.43 m to cm. 1 m = _____cm 8.43 × _____ cm = _____ cm	d. Convert 6.2 yards to feet. 1 yard = _____ft 6.2 x _____ft = _____ ft

Application Problem:

A coyote weighs 4.3 pounds. Convert the coyote's weight to ounces. Remember there are 16 ounces per 1 pound.

Answer: _____ounces

Exit Ticket

Convert 18.5 yards to feet. 1 yard = _____ft 18.5 yards x _____ ft = _____ feet
Convert 5 minutes to seconds. 1 minute = _____seconds 5 min x _____sec = _____ sec

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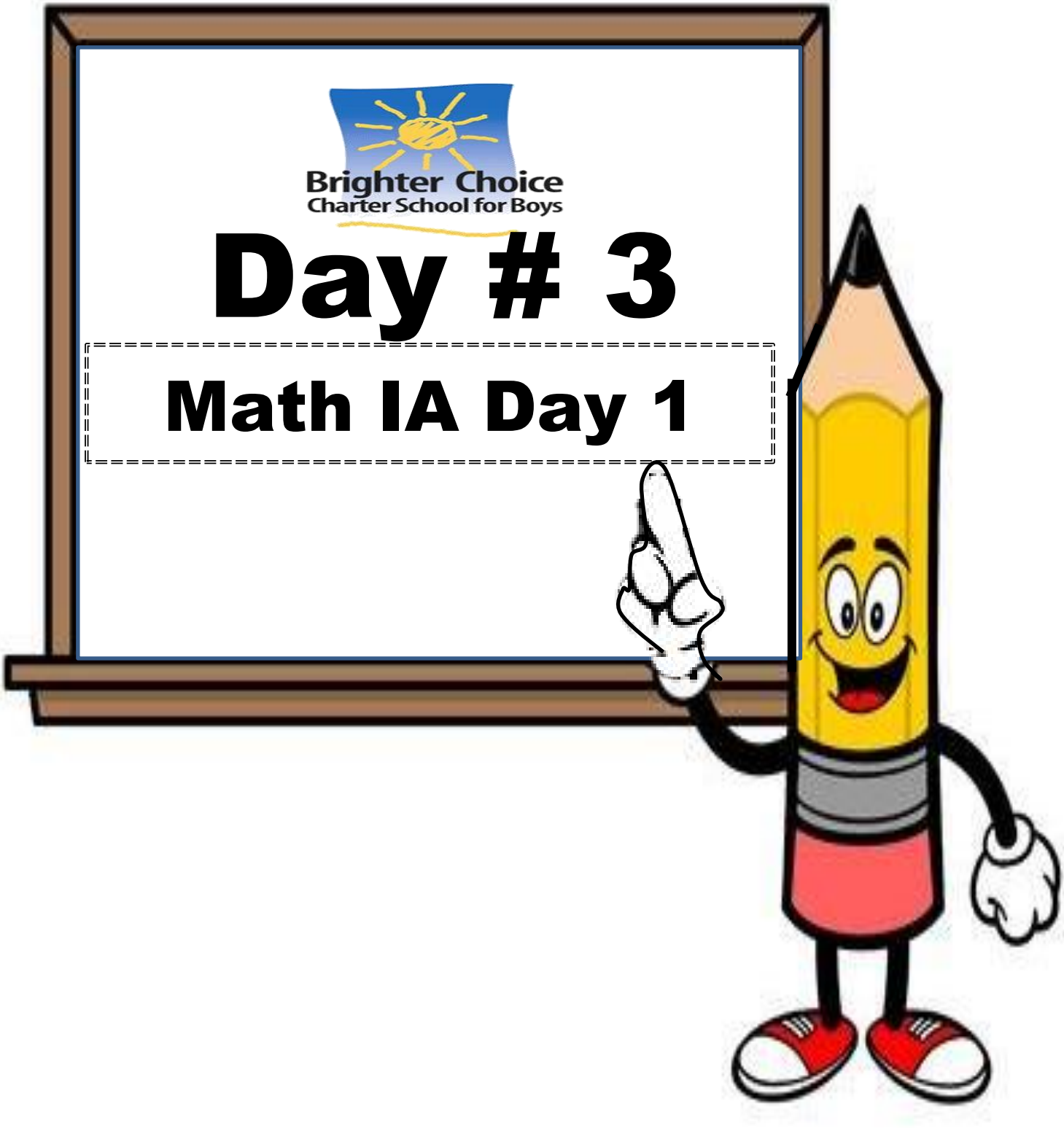
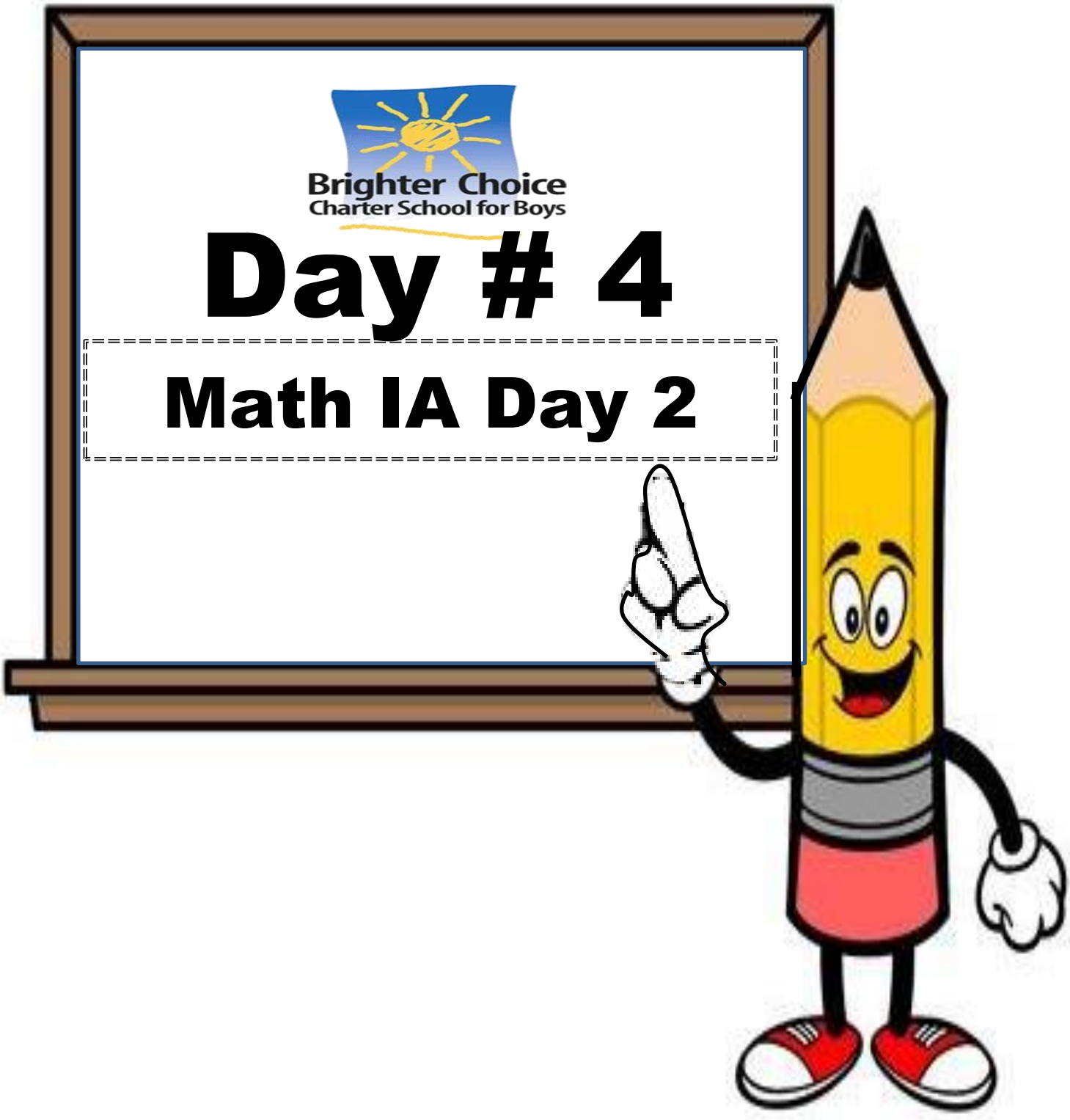
Day # 3

Math IA Day 1

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Day # 4
Math IA Day 2

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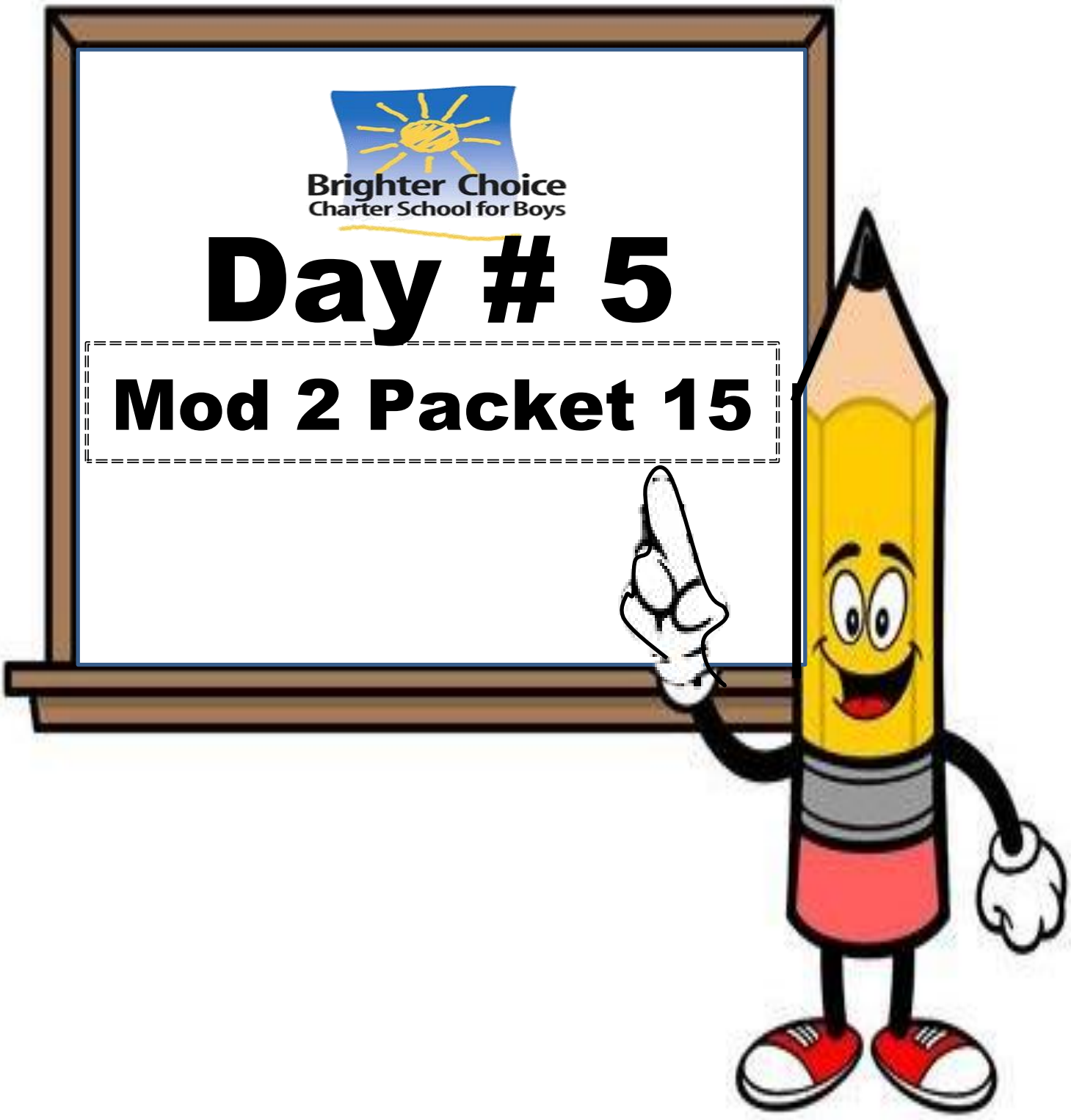
Day # 5

Mod 2 Packet 15



Name:_____ Week 9 Day 5 Date:_____

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Do Now

Multiply each fraction by the whole number. (Use conversion chart)

Convert 12 yards to inches. 1yd = _____in 12 × _____ in = _____ inches	Convert 7 pounds to ounces. 1 pound = _____oz 7 lbs x _____oz = _____ oz
Convert 2.12 m to cm. 1 m = _____cm 2.12 × _____ cm = _____ cm	Convert 8 hours to minutes. 1 hr = _____min 8 × _____min = _____ min

Review:

Express 4 days as a fraction of a week _____

Express 2 feet as a fraction of a yard _____

Express 3 quarts as a fraction of a gallon _____

Express 2 centimeters as a fraction of a meter _____
Decimal Form_____

Express 50 meters as a fraction of a kilometer _____
Decimal Form _____

Model:

Input Activity:

Multiplying fractions and whole numbers converting units

14 days = _____weeks

14 days = 14 x 1 day

What fraction of a week is 1 day? _____

Rewrite the problem with 1 day written as a fraction

_____

Solve.

Problem 1

24 feet = _____yards

How many feet equal a yard? _____

24 feet = 24 x (1foot)

What fraction of a yard is 1 foot? _____

Rewrite the problem with 1 foot written as a fraction

_____

Solve.

Problem 2

24 quarts = _____gallons

How many quarts equal a gallon? _____

24 quarts = 24 x (1 quart)

What fraction of a gallon is 1 quart? _____

Rewrite the problem with 1 quart written as a fraction

_____

Solve.

Problem 3

42 days = _____weeks

How many days equal a week? _____

42 days = 42 x (1 day)

What fraction of a week is 1 day? _____

Rewrite the problem with 1 day written as a fraction

_____

Solve.

Problem 4

36 quarts = _____gallons

How many quarts equal a gallon? _____

36 quarts = 36 x (1 quart)

What are the 2 factors? _____ and _____

What fraction of a gallon is 1 quart? _____

Rewrite the problem with 1 quart written as a fraction in parentheses (the conversion factor).

_____

Solve.

Problem 5

48 inches = _____feet

How many inches equal a foot? _____

48 inches = 48 x (1 foot)

What fraction of a foot is 1 inch? _____

Rewrite the problem with 1 inch written as a fraction

_____

Solve.

Problem Set:

Convert days to weeks. 28 days = 28 × (1 day of week) $28 \times \frac{1}{7}$	Convert quarts to gallons. 20 quarts = 20 × (1 quart of gallon) $20 \times \frac{1}{4}$
Convert feet to yards. 21 feet = 21 × (1 foot of yard) $21 \times \frac{1}{3}$	Convert quarts to gallons. 56 quarts = 56 × (1 quart of gallon) $56 \times \frac{1}{4}$

Application Problem

Jonas bought a carton of orange juice from the grocery store. He wondered how many pints of juice the container held. He read on the back of the carton that the carton holds 16 cups of juice. Convert the capacity to pints. (2 cups = 1 pint.)

Answer: _____ pints

Exit Ticket

Convert 24 inches to feet. 24 inches = 24 × (1 inch of foot)	Convert 35 days to weeks. 35 days = 35 × (1 day of week)

Name _____

5th Grade Modified Math Remote Learning Packet

Week 10

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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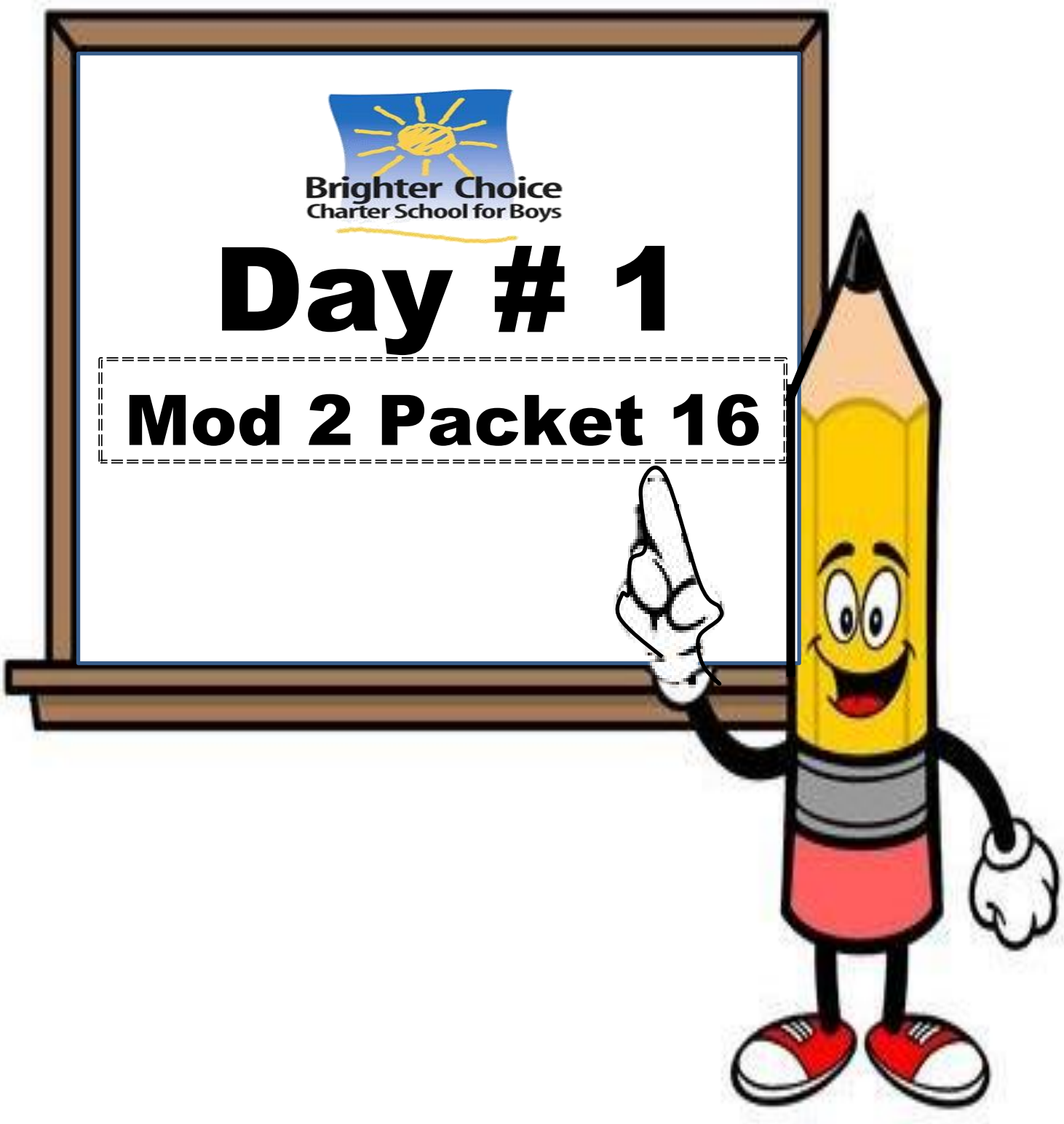
Charter School for Boys

Day # 1

Mod 2 Packet 16



Name:_____ Week 10 Day 1 Date:_____

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Do Now

Solve:

6 pounds = _____ounces
(1 pound = 16 oz)

Solve:

145 meters = _____ centimeters
(1 m = 100 cm)

Converting Units:

5 lbs 5 oz = _____ oz

First change the lbs to oz (Remember 1lb = 16oz)

_____ x _____ = _____

Next, add your new oz to the old oz

_____ + _____ = _____

_____

8 m 42 cm = _____cm

First change the m to cm (Remember 1m = 100cm)

_____ x _____ = _____

Next, add your new cm to the old cm

_____ + _____ = _____

_____

5yds 3 ft = _____ft

First change the yds to ft (Remember 1yd = 3ft)

_____ x _____ = _____

Next, add your new ft to the old ft

_____ + _____ = _____

Input Activity:

Problem 1:

Liza's cat had six kittens! When Liza and her brother weighed all of the kittens together, they weighed 4 pounds 2 ounces. Because all of the kittens are almost the same size, about how many ounces does each kitten weigh? **(1 pound = 16 ounces)**

Answer: _____ounces

Problem 2:

Each costume needs 46 meters of red ribbon and 3 times as much yellow ribbon. What is the total length of ribbon needed for 64 costumes? Express your answer in centimeters.

(1 m = 100 cm)

Answer: _____centimeters

Problem 3:

Tia cut a 4-meter 8-centimeter wire into 10 equal pieces.
Marta cut a 540-centimeter wire into 9 equal pieces.
How much longer is one of Marta's wires than one of Tia's?

(1 m = 100 cm)

Answer: _____centimeters

Problem Set:

String A is 35 meters long. String B is 5 times as long as String A. Both are necessary to create a decorative bottle. Find the total length of string needed for 17 identical decorative bottles. Express your answer in centimeters.

(1 m = 100 cm)

Answer: _____centimeters

Application Problem:

Jay needs 19 quarts more paint for the outside of his barn than for the inside. If he uses 107 quarts in all, how many gallons of paint will be used to paint the inside of the barn?

(1 gal = 4 qts)

C

U

B

E

S

Answer:_____ gallons

Exit Ticket

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

To practice for the Boston Marathon, Caleb ran 0.54 kilometer each day for 4 weeks. How many meters did he run in those 4 weeks?

C

U

B

E

S

Answer Statement:_____

_____

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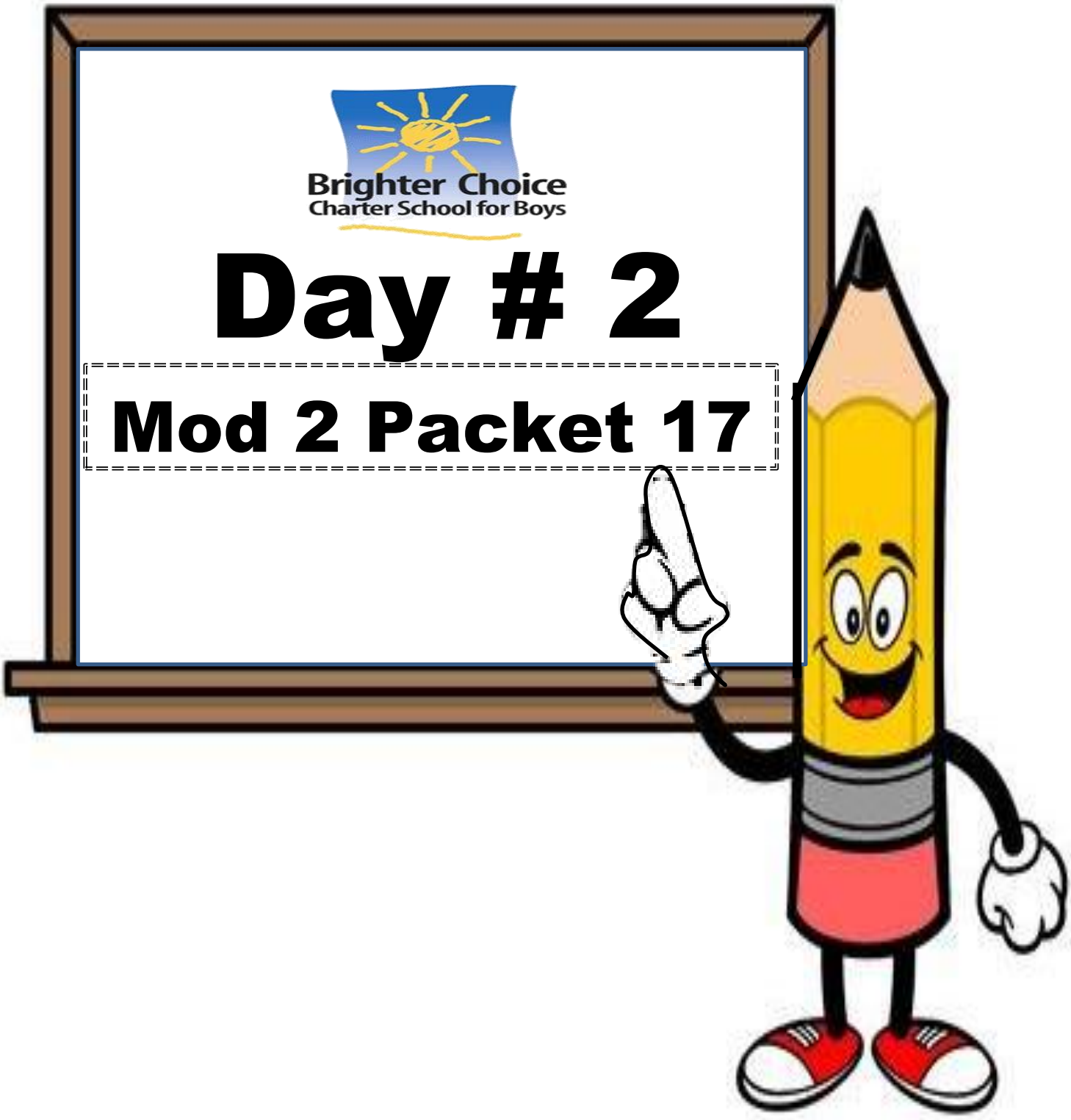
Charter School for Boys

Day # 2

Mod 2 Packet 17



Name:_____ Week 10 Day 2 Date:_____

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Do Now

Multiply each fraction by the whole number.

$12 \times \frac{2}{4}$	$22 \times \frac{1}{11}$
$10 \times \frac{6}{12}$	$18 \times \frac{1}{9}$

Input Activity:

Problem 1

420 ÷ 10

Steps:	Example:
1. _____ your division _____. 2. Look at your _____. Count the number of _____ in the divisor. _____ out the _____ amount of zeros in the _____ that you have in the divisor. 3. _____ the problem. 4. _____ normally.	**420 ÷10**

Problem 2

1,600 ÷ 400

Problem 3

24,000 ÷ 600

Problem 4

180,000 ÷ 9,000

Problem 5

21,000 ÷ 700

Problem 6

12,000 ÷ 300

Problem 7

560,000 ÷ 7,000

Problem 8

450,000 ÷ 500

Problem 9

28,000 ÷ 40

Problem Set:

500 ÷ 20	360 ÷ 90
12,000 ÷ 600	450,000 ÷ 500

Application Problem:

The area of a rectangular vegetable garden is 200 square feet. The width is 10 ft. What is the length of the vegetable garden?

Answer: _____ feet

Exit Ticket

15,000 ÷ 500	60,000 ÷ 2,000
12,000 ÷ 40	480,000 ÷ 800

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Day # 3

Thanksgiving Break Review

Name: _____ Week 10 Day 3 Date: _____

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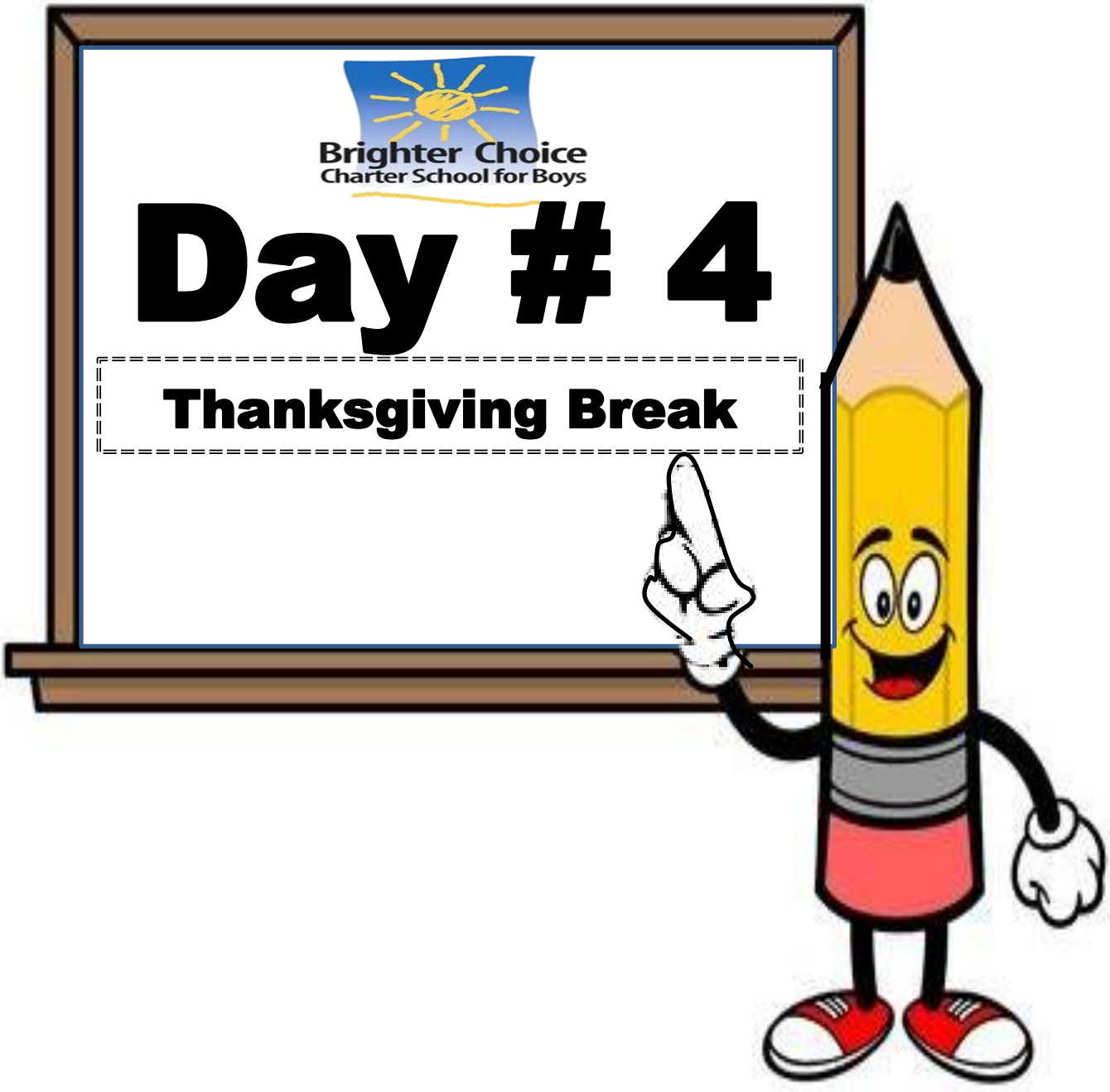
A Thanksgiving Riddle

Solve each **addition** and **subtraction** problem.
On the lines in the riddle below, write the letter that goes with each answer.

586 + 307	428 + 355	549 + 228	627 + 239
L	H	M	U
367 + 289	584 + 358	825 - 169 (Be careful!)	846 - 107
O	P	O	C
533 - 249	923 - 776	804 - 298	603 - 417
T	K	R	Y

What kind of music did the pilgrims listen to?

___	___	___	___	___	___	___	___		___	___	___	___			
942	893	186	777	656	866	284	783		506	656	739	147			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Day # 4
Thanksgiving Break

Name: _____ Week 10 Day 4 Date: _____

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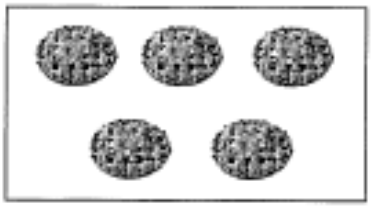
1. Mrs. G baked 9 pumpkin pies on Monday, 6 pumpkin pies on Tuesday, and 8 pumpkin pies on Wednesday. How many pumpkin pies did she bake altogether?

Monday	Tuesday	Wednesday
		
_____	_____	_____

2. Grandma brought two dozen cookies to Thanksgiving dinner. All but 3 were eaten. How many cookies were eaten?

2 dozen = _____

3. Each apple pie serves 9 people. There are 5 pies on the table. How many people will this feed?



Name: _____ Week 10 Day 4 Date: _____

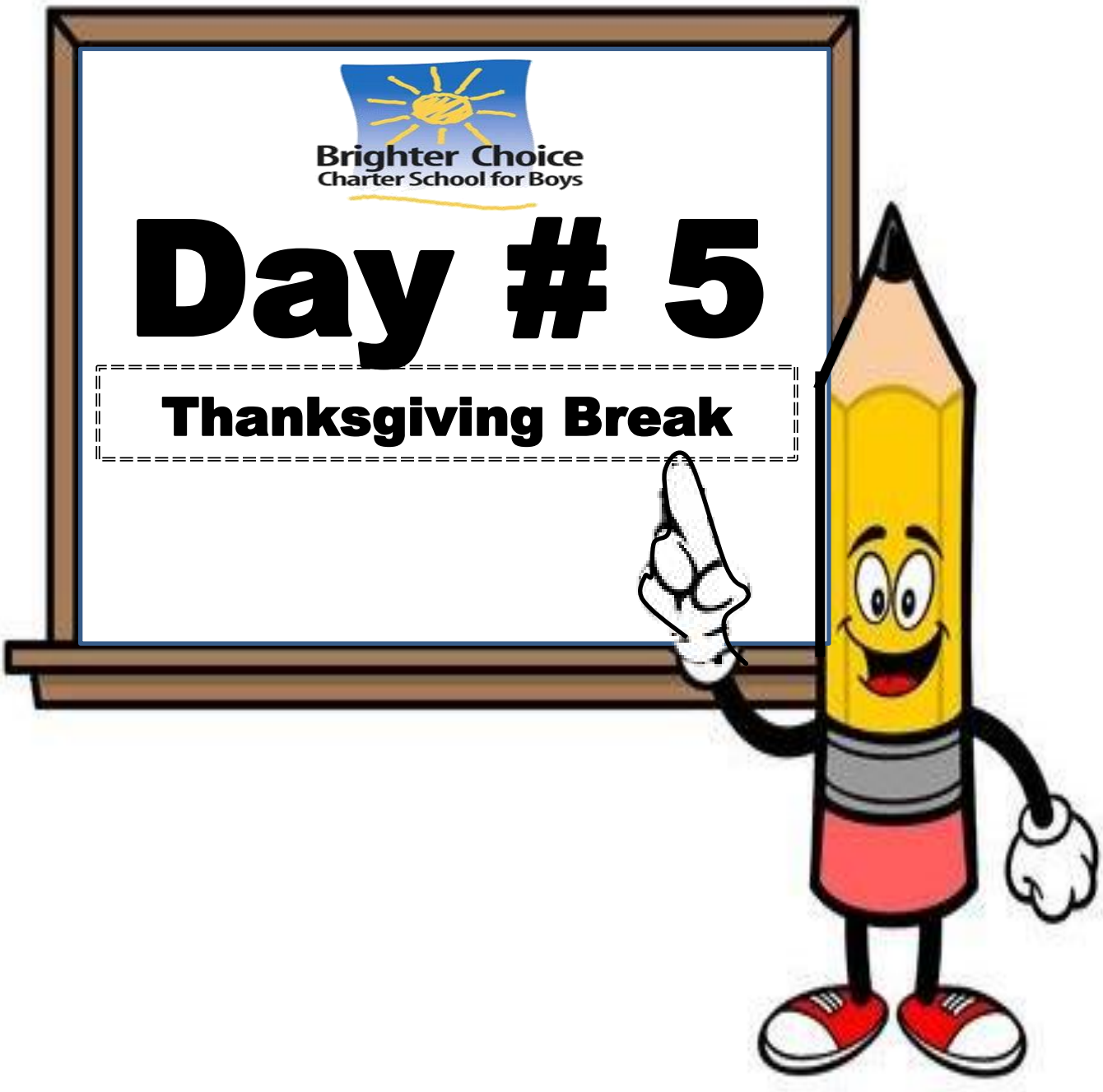
BCCS-B MIT Stanford

4. There are 32 ears of corn for 16 people. How many ears of corn can each person eat?

5. The grocery store is selling turkeys for $7 each. They have sold 13 so far in the month of November. How much money has the grocery store made so far in turkey sales?

6. The pumpkin patch has 47 rows of pumpkins and 93 pumpkins in each row. How many pumpkins are there in all?

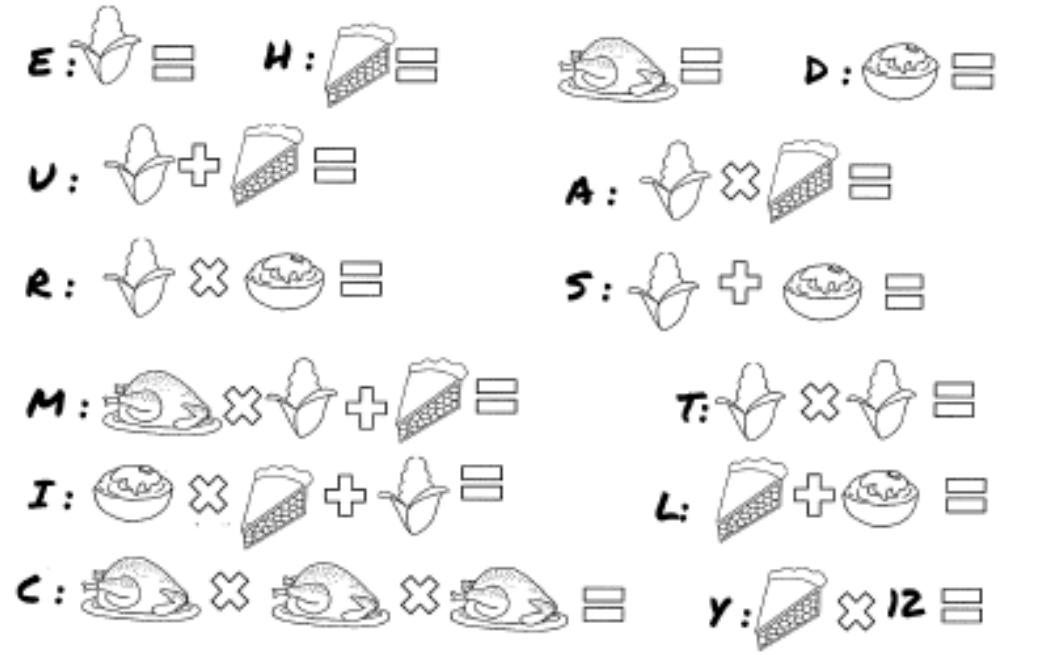
93 pumpkins in each row


Brighter Choice
Charter School for Boys
Day # 5
Thanksgiving Break

Name: _____ Week 10 Day 5 Date: _____

BCCS Boys MIT/Stanford

THANKSGIVING CODE BREAKER



WHY DID THE TURKEY PLAY THE DRUMS IN HIS BAND?

4	5	20	10	30	5	20	6	48	

4	20	11

6	30	9	14	11	25	29	8	2	11