Name _____

3rd Grade ESL Math Remote Learning Packet

Week 32

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.

_____ _____

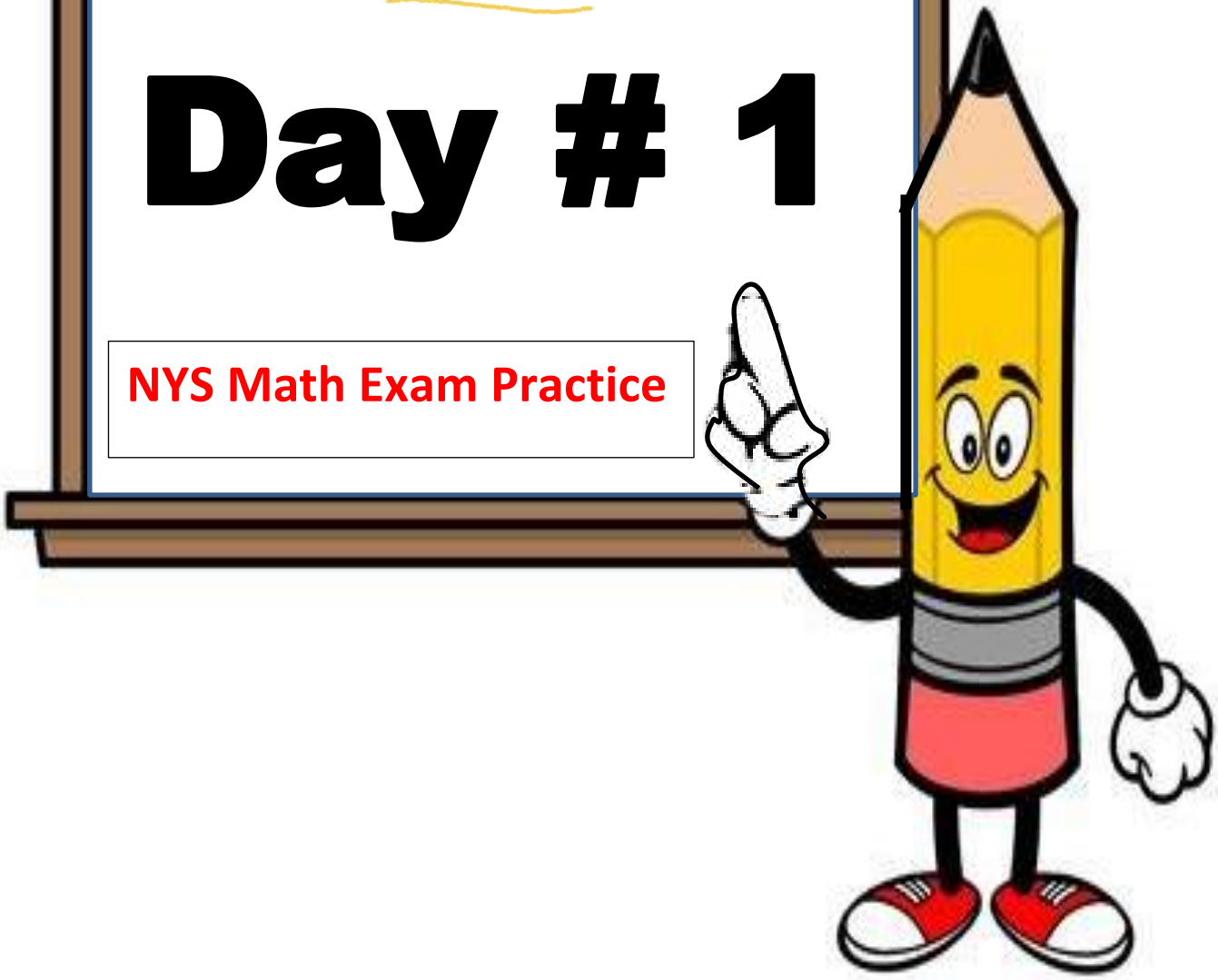
(Parent Signature) (Date)

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

NYS Math Exam Practice



LEQ: How can I review fractions to be successful on the NYS math exam?

Objective: I can use a set of rules, take great notes, and ask/answer questions to review fractions and be successful on the NYS math exam.

Vocabulary:

- Equivalent
- Fractional Unit
- Unit Fraction
- Numerator
- Denominator

Name: _____ Week 32 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

What is a Fraction?

Part of a whole

A number that expresses equal parts of a whole object or set of objects.

$\frac{2}{3}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{4}{7}$

$$\frac{\text{part}}{\text{whole}}$$

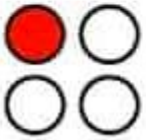
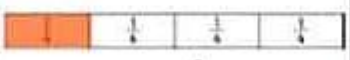
Parts of a fraction:

$\frac{1}{2}$

- 1 ← **numerator** = how many fraction pieces you have
- 2 ← **denominator** = how many fraction pieces your whole is broken into
  - *d = down
- fraction bar
  - *represents division

KEY WORDS: halves, thirds, fourths, fifths, sixths, sevenths, eighths, etc.

Different Ways to Represent a Fraction

Part of a Group	Number Line	Fraction Bar	Fraction Circle
 $= \frac{1}{4}$	 $= \frac{1}{4}$	 $= \frac{1}{4}$	 $= \frac{1}{4}$

Name: _____ Week 32 Day 1 Date: _____

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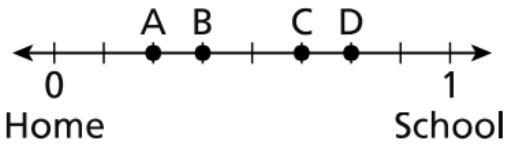
1. The distance between Liam's home and his school is exactly 1 mile, as shown on the number line below.



Liam buys a snack at a store that is $\frac{3}{8}$ mile from his home. What point on the number line shows the location of the store?

A point A

B point B

C point C

D point D

2. Kay and Juanita each have a garden of the same size and shape.

- Kay grows flowers in $\frac{1}{6}$ of her garden.
- Juanita grows flowers in $\frac{1}{3}$ of her garden.

Which statement shows a correct comparison of the sections of flowers grown in Kay's garden and Juanita's garden?

A $\frac{1}{6} > \frac{1}{3}$

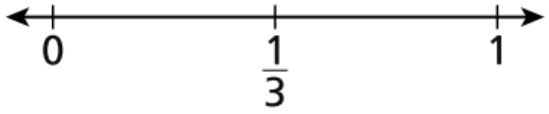
B $\frac{1}{6} < \frac{1}{3}$

C $\frac{1}{3} = \frac{1}{6}$

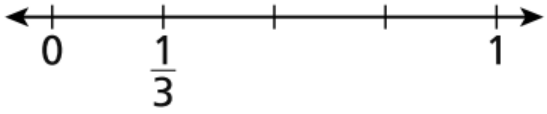
D $\frac{1}{3} + \frac{1}{6}$

3. Which number line shows the fraction $\frac{1}{3}$ plotted correctly?

A



C



B

D

4. Theo divided a garden equally into 6 parts. He planted seeds in 5 of the parts. In what fraction of the garden did Theo plant seeds?

A $\frac{1}{6}$

B $\frac{1}{5}$

C $\frac{5}{6}$

D $\frac{6}{5}$

5. Jaime has a small container that holds exactly $\frac{1}{4}$ cup of dog food. How many times should Jaime fill the container and pour it into the dog's bowl to make sure the dog gets exactly $\frac{1}{2}$ cup of food?

A $\frac{1}{4}$

B $\frac{1}{2}$

C 2

D 4

6. Gianna cuts a ribbon into equal pieces as shown below.

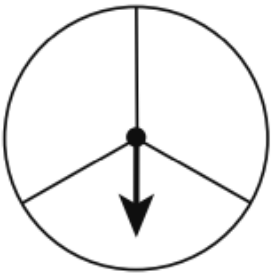
She uses 4 pieces of the ribbon for a project. What fraction of the ribbon does Gianna use for the project?

Explain how you found your answer.

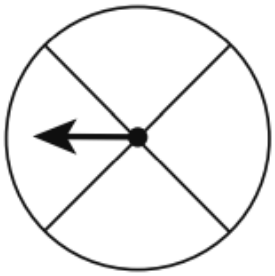
Gianna uses _____ of the ribbon for her project.

7. The Diaz family used a spinner to play a game. The spinner was in the shape of a circle. Each section of the spinner was $\frac{1}{4}$ of the whole circle. Which picture shows a spinner that the Diaz family used?

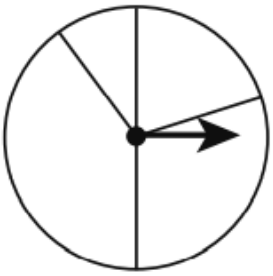
A



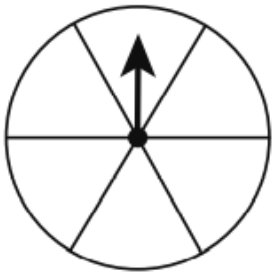
C



B



D



8. Which fraction is equivalent to 4?

A $\frac{1}{4}$

B $\frac{8}{4}$

C $\frac{4}{4}$

D $\frac{4}{1}$

9. Two teachers each buy pizzas for a party. All of the pizzas are the same size.

- Teacher A's pizzas were cut into 6 equal slices.
- Teacher B's pizzas were cut into 8 equal slices.

Which teacher's pizzas were cut into larger slices? Use what you know about fractions to explain your answer.

Answer

Teacher _____'s pizza was cut into larger slices.

10. Which two fractions should be plotted at the same location on a number line?

A $\frac{3}{4}$ and $\frac{4}{8}$

B $\frac{1}{4}$ and $\frac{2}{8}$

C $\frac{2}{4}$ and $\frac{4}{6}$

D $\frac{1}{2}$ and $\frac{2}{6}$

11. The shape below is shaded to represent a fraction.

Which shape is shaded to represent a fraction equivalent to the shape shown above?

A

C

B

D

12. Which fraction is equal to $\frac{2}{8}$?

A $\frac{8}{2}$

B $\frac{1}{2}$

C $\frac{2}{4}$

D $\frac{1}{4}$

13. Two families buy large sandwiches of the same size. Family A shares one sandwich equally among 4 people, as represented in the picture below.

Family B shares one sandwich equally between 2 people.

Will a person from Family A get the same amount or a different amount of a sandwich as a person from Family B ? Be sure to include what you know about fractions or parts of a whole in your answer.

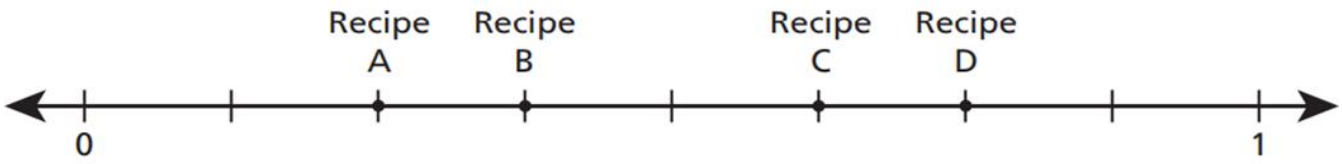
Explain your answer.

A person from Family A will get _____ amount of a sandwich as a person from Family B. I know this because

_____

_____

14. Four different recipes were used by students to bake cookies for a bake sale. The number line below shows the fraction of a cup of milk needed in each recipe.



Which recipe needs $\frac{3}{8}$ cup of milk?

A Recipe A

B Recipe B

C Recipe C

D Recipe D

15. The fraction strip shown below is shaded to represent a fraction.

$\frac{\square}{\text{Total \# Boxes}}$

Which fraction strip is shaded to represent a fraction equal to the fraction strip shown above?

A

B

C

D

16. Which fraction comparison is **not** correct?

A $\frac{1}{3} < \frac{2}{3}$

B $\frac{3}{4} < \frac{1}{4}$

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

D $\frac{5}{6} > \frac{5}{8}$

Name: _____ Week 32 Day 1 Date: _____

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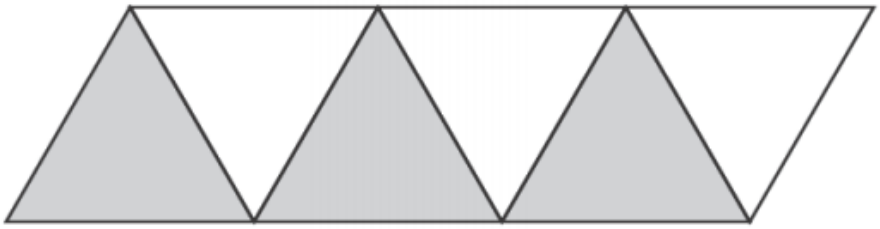
Homework (2 PAGES):

1. The figure below is divided into equal-sized parts.



Which fraction is represented by the shaded parts of the figure?

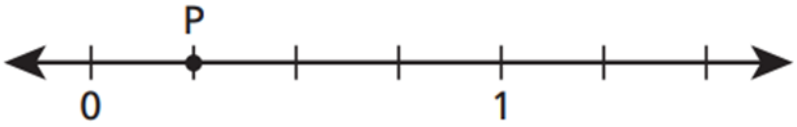
A $\frac{1}{3}$

B $\frac{3}{3}$

C $\frac{3}{6}$

D $\frac{6}{3}$

2. Which fraction does point P represent on the number line below?



A $\frac{1}{6}$

B $\frac{2}{6}$

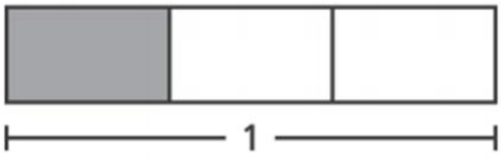
C $\frac{1}{4}$

D $\frac{2}{4}$

3. Which of these is shaded to represent $\frac{2}{3}$?

A

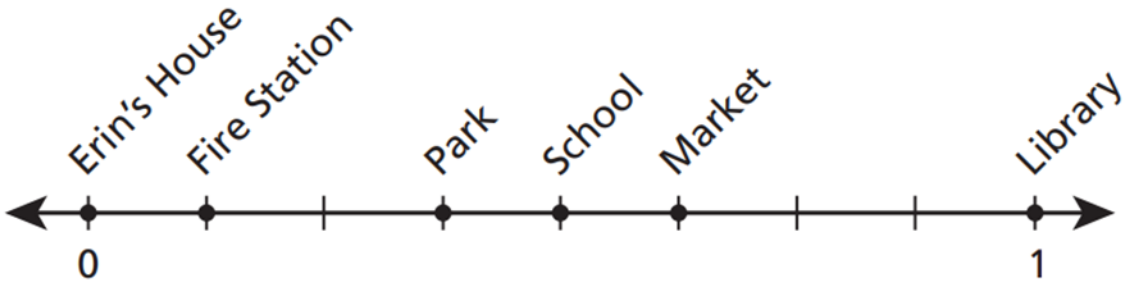
B



C

D

4. Erin walked 1 mile from her house to the library. Along the way, she passed several places shown on the number line below.



Which place is $\frac{4}{8}$ mile from Erin's house?

A the fire station

B the park

C the school

D the market

Brighter Choice
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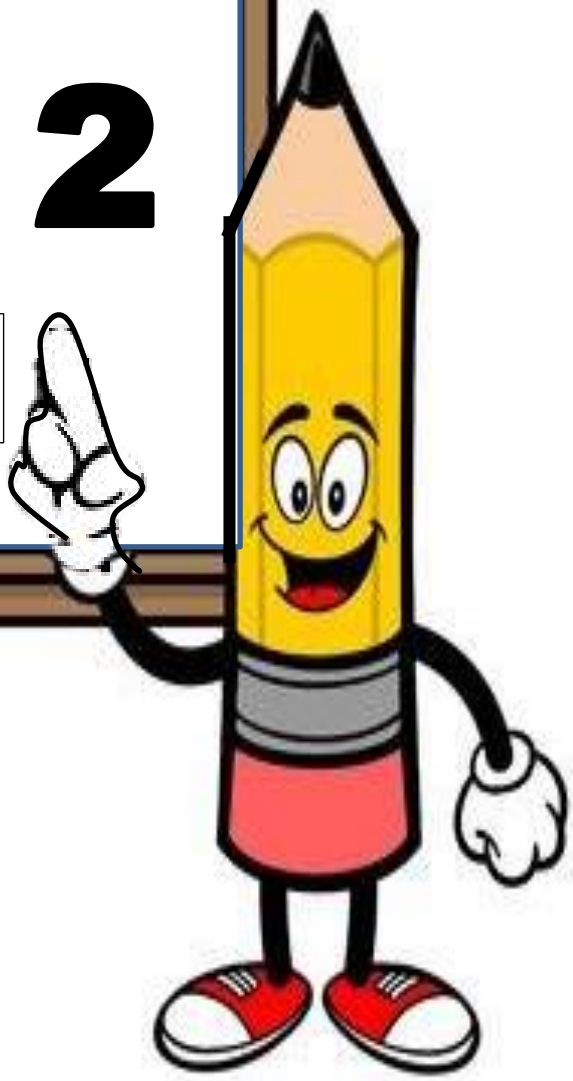
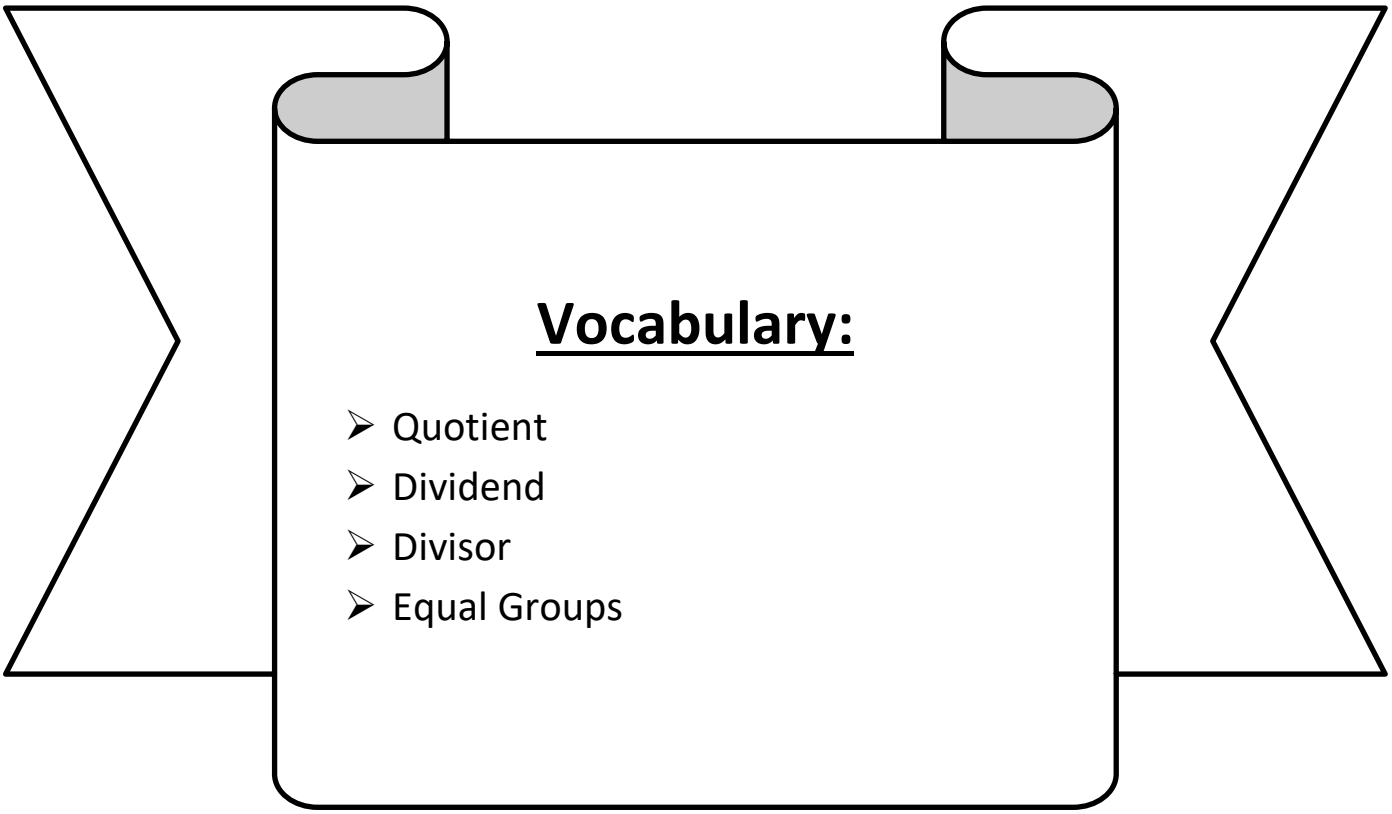
Day # 2

NYS Math Exam Practice



LEQ: How can I review division to be successful on the NYS math exam?

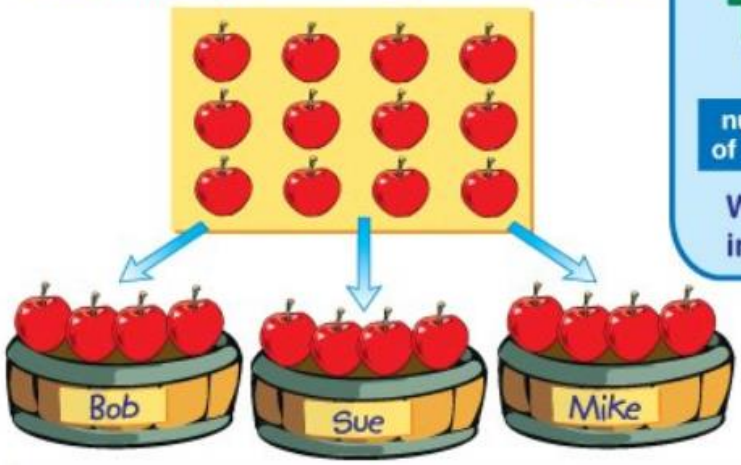
Objective: I can use a set of rules, take great notes, and ask/answer questions to review division and be successful on the NYS math exam.



Division Concepts & Strategies

How Many in Each Group?

Bob, Sue and Mike picked 12 apples to share equally. How many will each get?



- 3 equal groups
- 4 in each group

Division Sentence

dividend ÷ divisor = quotient

12 ÷ 3 = 4

- 12 — number of apples
- 3 — number of baskets
- 4 — number of apples in each basket

We use division to find the number in each group.

How Many Groups?

We use repeated subtraction to find out how many groups of 4 are in 12.

1. 12 – 4 = 8 (1, 2, 3, 4)
2. 8 – 4 = 4 (5, 6, 7, 8)
3. 4 – 4 = 0 (9, 10, 11, 12)

We subtracted 4 three times. Therefore, there are 3 groups of 4 in 12.

Using Multiplication to Divide

factor × factor = product

3 × 4 = 12

- 3 — number of equal groups
- 4 — group size
- 12 — total number

dividend ÷ divisor = quotient

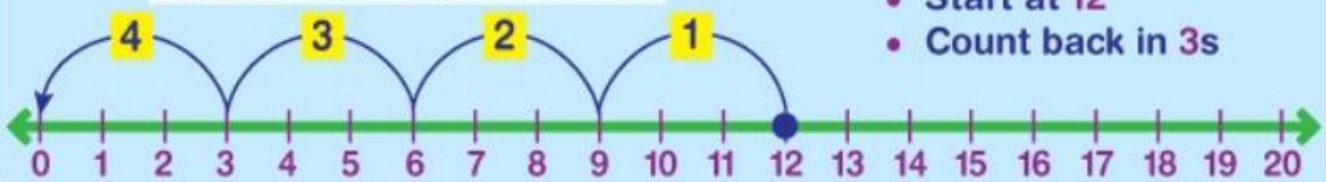
12 ÷ 3 = 4

- 12 — total number
- 3 — number of groups
- 4 — number in each group

Using a Number Line

12 ÷ 3 = 4

- Count back to divide
- Start at 12
- Count back in 3s



Name: _____ Week 32 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

1. Alexis read 63 pages of a book in seven days. She read an equal number of pages each day. The equation below can be used to find the total number of pages she read each day.

$$63 \div 7 = \_?\_$$

What is the total number of pages Alexis read each day?

A 8

B 9

C 56

D 70

2. Alex sorted 20 toy cars into 4 groups with the same number of cars in each group. Which expression represents the number of toy cars in each group?

A 20×4

B $20 + 4$

C $20 \div 4$

D $20 - 4$

3. A certain dance class has 42 dancers. The teacher wants to place the class into six equal groups. Which number sentence could be used to find the number of dancers that will be in each group?

A $6 \times \_?\_ = 42$

B $6 \div \_?\_ = 42$

C $42 + 6 = \_?\_$

D $42 - 6 = \_?\_$

4. Mr. Bachu bought 24 pounds of potting soil. Which sentence could describe the potting soil Mr. Bachu bought?

A He bought 6 bags that weigh 4 pounds each.

B He bought 5 bags that weigh 4 pounds each.

C He bought 4 bags that weigh 20 pounds each.

D He bought 10 bags that weigh 14 pounds each.

5. The school store sells pencils in packages of 4. Zoe bought enough packages to have 28 pencils. The equation below can be used to determine the number of packages Zoe bought.

$$4 \times \_\_?\_\_ = 28$$

What is the total number of packages that Zoe bought?

A 6

B 7

C 24

D 32

6. Rick has 15 muffins. He will give each of his three children one muffin each day. The equation below can be used to find the total number of days he can give the muffins to his children before they are gone.

$$15 \div \_\_?\_\_ = 3$$

What is the total number of days Rick can give the muffins to his children?

A 4

B 5

C 12

D 18

7. Which number sentence could also be used to find the missing number in the equation $10 \times \underline{\ ?\ } = 60$?

A $60 \times 10 = \underline{\ ?\ }$

B $60 - 10 = \underline{\ ?\ }$

C $60 + 10 = \underline{\ ?\ }$

D $60 \div 10 = \underline{\ ?\ }$

8. What number makes the equation below true?

$$81 \div \underline{\quad} = 9$$

A 8

B 9

C 72

D 90

11. The first number in a number pattern is 28. The pattern rule is to add 14 to get the next number in the pattern. If the pattern continues, which statement is true?

A All the numbers in the pattern can be divided equally by 10.

B All the numbers in the pattern can be divided equally by 4.

C All the numbers in the pattern can be divided equally by 8.

D All the numbers in the pattern can be divided equally by 7.

12. What number makes the equation below true?

$$35 \div ? = 7$$

A 5

B 6

C 7

D 8

13. Tayshawn sorts 56 marbles into equal groups with no marbles left over. Which statement could be true of the groups of marbles Tayshawn sorts?

A There are 6 groups of marbles with 8 marbles in each group.

B There are 7 groups of marbles with 7 marbles in each group.

C There are 8 groups of marbles with 7 marbles in each group.

D There are 9 groups of marbles with 6 marbles in each group.

14. Anya placed 16 cups in rows on a table. There are 8 cups in each row. Which equation could be used to represent this situation?

A $16 \times 8 = \square$

B $8 + 16 = \square$

C $\square \div 8 = 16$

D $\square \times 8 = 16$

15. Which pair of equations is true when the number 8 is placed in the blanks?

A
$4 \times \_\_\_\_ = 32$
$32 \div \_\_\_\_ = 4$

B
$5 \times \_\_\_\_ = 40$
$\_\_\_\_ \div 40 = 5$

C
$6 \times 48 = \_\_\_\_$
$48 \div \_\_\_\_ = 6$

D
$7 \times \_\_\_\_ = 63$
$63 \div \_\_\_\_ = 7$

16. A total of 30 players will play basketball at a park. There will be exactly 5 players on each team. Which statement correctly explains how to find the number of teams needed?

A Add 5 to 30 to find 35 teams.

B Divide 30 by 5 to find 6 teams.

C Multiply 30 and 5 to find 150 teams.

D Subtract 5 from 30 to find 25 teams.

17. What number multiplied by 4 equals 36?

A 6

B 7

C 8

D 9

18. Ms. Perez drove a total of 40 miles in 5 days. She drove the same number of miles each day. How many miles did Ms. Perez drive each day?

A 5

B 7

C 8

D 9

19. A band has 36 members. They are arranged into 6 equal rows. How many band members are in each row?

Show your work.

Row 1	
Row 2	
Row 3	
Row 4	
Row 5	
Row 6	

Can the same 36 band members be placed into exactly 7 equal rows? Why or why not?

Explain your answer.

_____

_____

_____

20. What number makes the equation true?

$4 = \_\_?\_\_ \div 7$

A 11

B 21

C 28

D 32

Name: BCCS-E Day 2 Date: _____

Yale Princeton

Homework:

1. What number makes both equations true?

$6 \times \_?\_ = 48$

$48 \div 6 = \_?\_$

A 7

B 8

C 42

D 54

2. Ms. Carter has 30 students in her classroom. She arranges them into 5 equal groups. Which expression represents how to find the number of students in each group?

A $30 + 5$

B $30 \div 5$

C $30 - 5$

D 30×5

3. Jess scored 18 points during her last basketball game. Each basket she made was worth 2 points. How many baskets did she make?

A 20

B 16

C 9

D 8

4. A store manager orders shirts from their warehouse. The shirts are packed into boxes and sent to the store, as described below.

- 81 shirts are ordered
- each shipping box holds 9 shirts

How many shipping boxes are needed for all of the shirts ordered?

A 8

B 9

C 72

D 90

5. Coach Wu has a total of 30 soccer balls.

- 9 soccer balls are white
- the remaining soccer balls are one of three different colors (blue, pink, or green)
- there is an equal number of blue, pink, and green balls

How many green soccer balls does Coach Wu have?

A 7

B 10

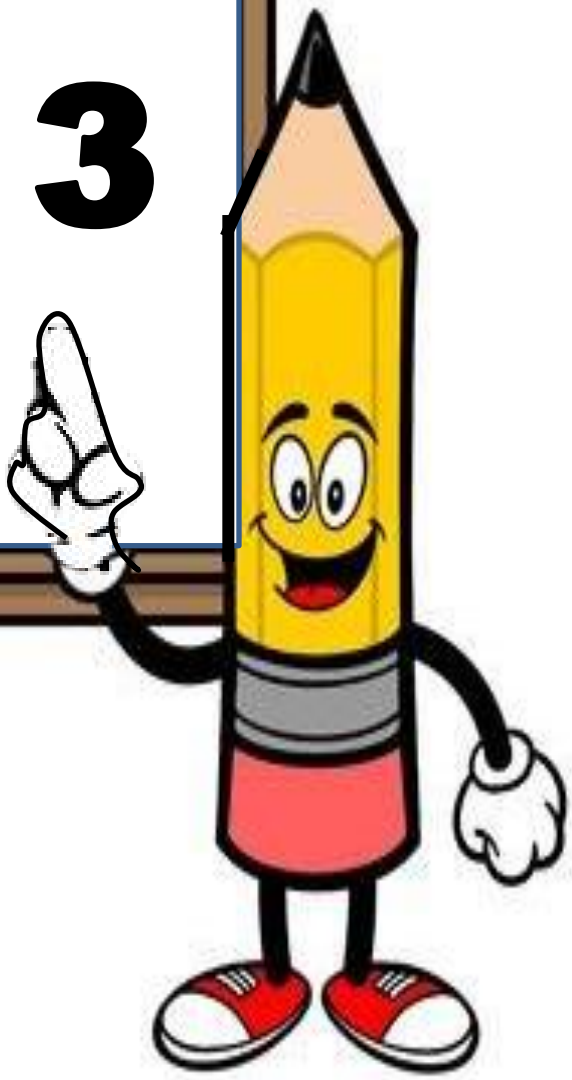
C 21

D 39

Brighter Choice
Charter School for Boys

Day # 3

NYS Math Exam Practice

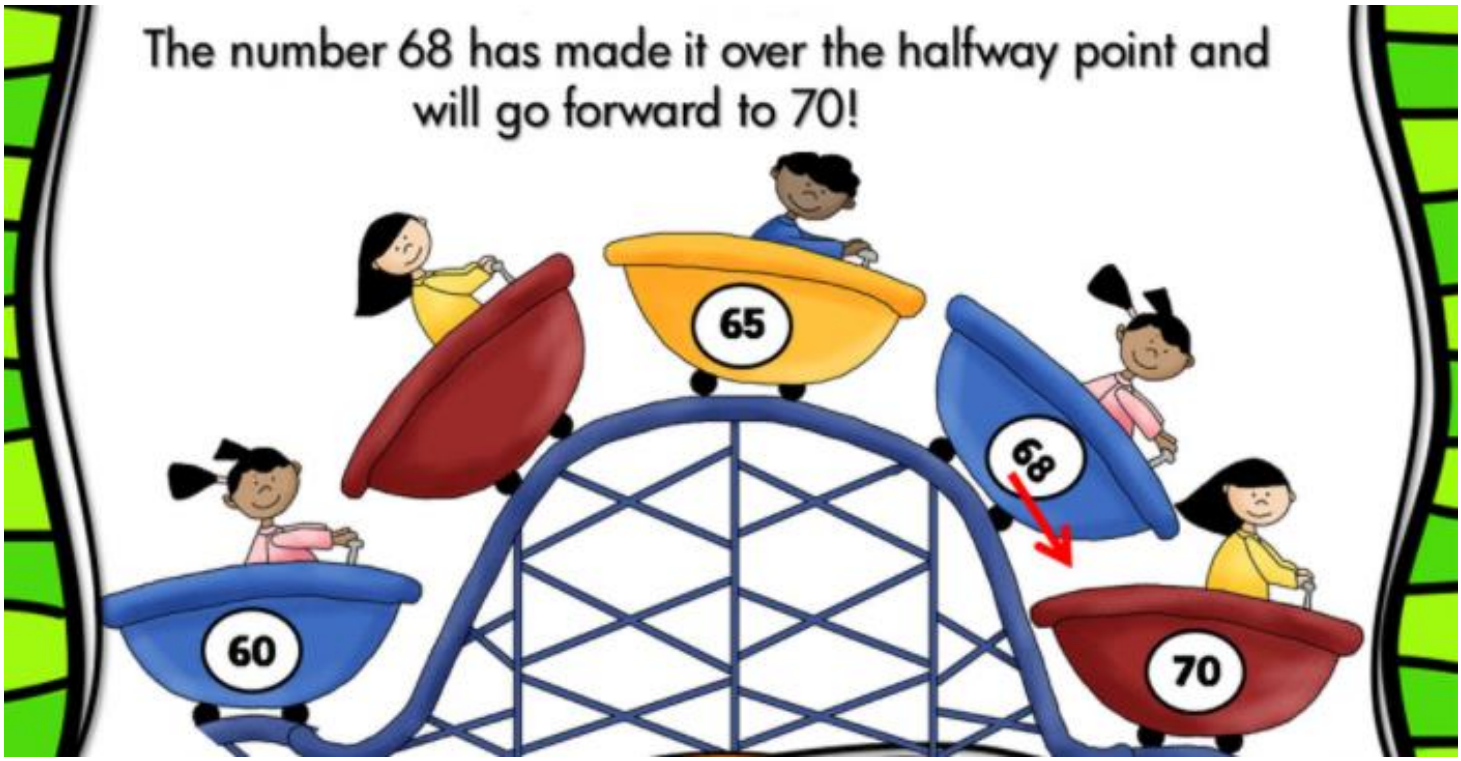


LEQ: How can I review rounding and time to be successful on the NYS math exam?

Objective: I can use a set of rules, take great notes, and ask/answer questions to review rounding and time to be successful on the NYS math exam.

Vocabulary:

- Halfway Point
- Multiple
- Vertical Number Line
- Round
- Estimate
- Hour and Minute Hand
- Skip Counting



ROUNDING

Underline the digit look next door.

If it's 5 or greater add one more.

If it's less than 5 leave it for sure.

Everything after is a zero, not more.

Name: _____ Week 32 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

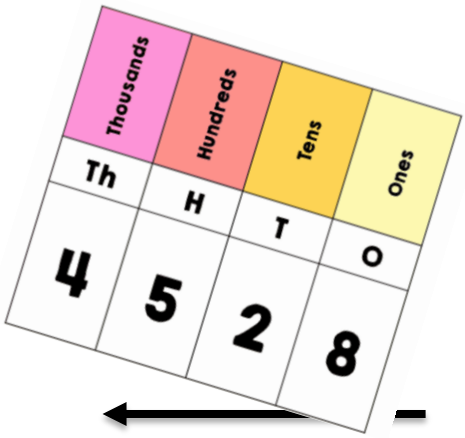
1. What is 637 rounded to the nearest ten?

A 600

B 630

C 640

D 647



2. The table below shows the number of tickets for the school play that were sold each day.

SCHOOL PLAY TICKETS

Day	Number of Tickets Sold
Thursday	238
Friday	361
Saturday	249
Sunday	328

On which day does the number of tickets sold round to 300, when rounded to the nearest hundred?

A Thursday

B Friday

C Saturday

D Sunday

3. What is 836 rounded to the nearest 10?

A 800

B 830

C 840

D 870

4. A number belongs in the box below. When the number is rounded to the nearest hundred, the result will be 900.

Which number belongs in the box?

A 849

B 852

C 960

D 999

5. A coach rounded the number of runners at a track meet to the nearest 10. The rounded number of runners is 400. Which number could be the actual number of runners at the track meet?

A 382

B 397

C 406

D 447

6. The table below shows four numbers rounded to the nearest hundreds place. One of the numbers is rounded incorrectly.

Starting Number	Rounded to the Nearest Hundred
1,212	1,200
2,396	2,300
3,636	3,600
5,573	5,600

Which number is rounded to the nearest hundreds place incorrectly?

A 1,212

B 2,396

C 3,636

D 5,573

7. The distance from Chicago to New York City is 794 miles. What is 794 rounded to the nearest hundred?

A 700

B 794

C 800

D 894

TELLING TIME

STEP 1:

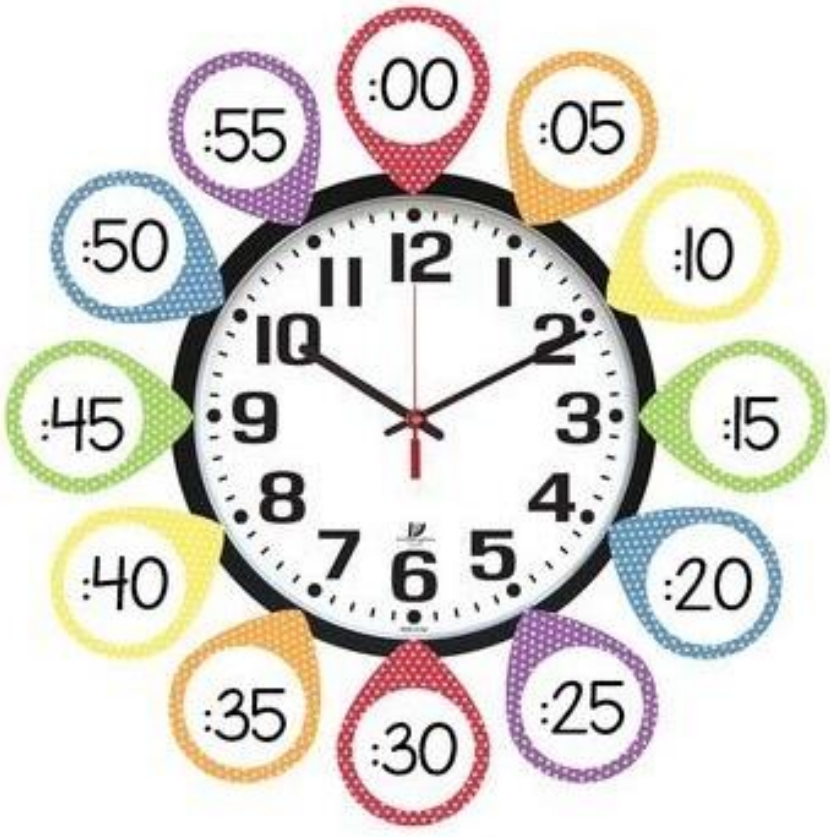
HOUR HAND

- Look at the small hand it's called the hour hand
- Look at the **LAST** number the hand passed
- Say the number and then look at the minute hand

STEP 2:

MINUTE HAND

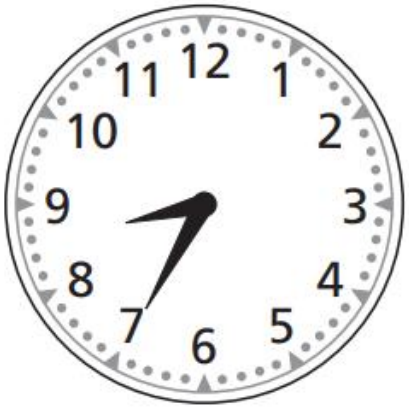
- Look at the big hand it's called the minute hand
- Start at 12 and count by 5's
- If it's on the 12, just say o'clock!
- If it's on the 6, just say thirty!



Name: _____ Week 32 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

1. Pedro left home this morning at the time shown on the clock below.



Tina left home 20 minutes after Pedro left. Carlos left home 18 minutes after Tina left. At what time did Carlos leave home this morning?

A 7:57 a.m.

B 8:13 a.m.

C 8:38 a.m.

D 9:13 a.m.

2. Which clock shows the time 7:08?

A

C

B

D

3. Last weekend Sanjay watched 3 television shows that were each 30 minutes long. He also watched 1 movie on television that was 90 minutes long. What is the total number of minutes Sanjay watched television last weekend?

A 100

B 120

C 150

D 180

4. Beth met her friends at the library at 4:30 p.m. It took her 24 minutes to walk from her house to the library. What time did Beth leave her house to arrive at the library at exactly 4:30 p.m. ?

Show your work.

5. Frankie's music class begins at 9:40 a.m. The class is 45 minutes long. Which clock shows the time that Frankie's class ends?

A 

C 

B 

D 

6. Joe and Mike both ran the same race. Joe finished the race 4 minutes before Mike. If Mike finished the race at 4:02 p.m., what time did Joe finish the race?

A 3:58 p.m.

B 4:06 p.m.

C 8:02 p.m.

D 12:02 p.m.

Name: _____ Week 32 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. A number is rounded to the nearest hundred. The result is 500. Which number could **not** be the number before it was rounded to the nearest hundred?

A 458

B 463

C 547

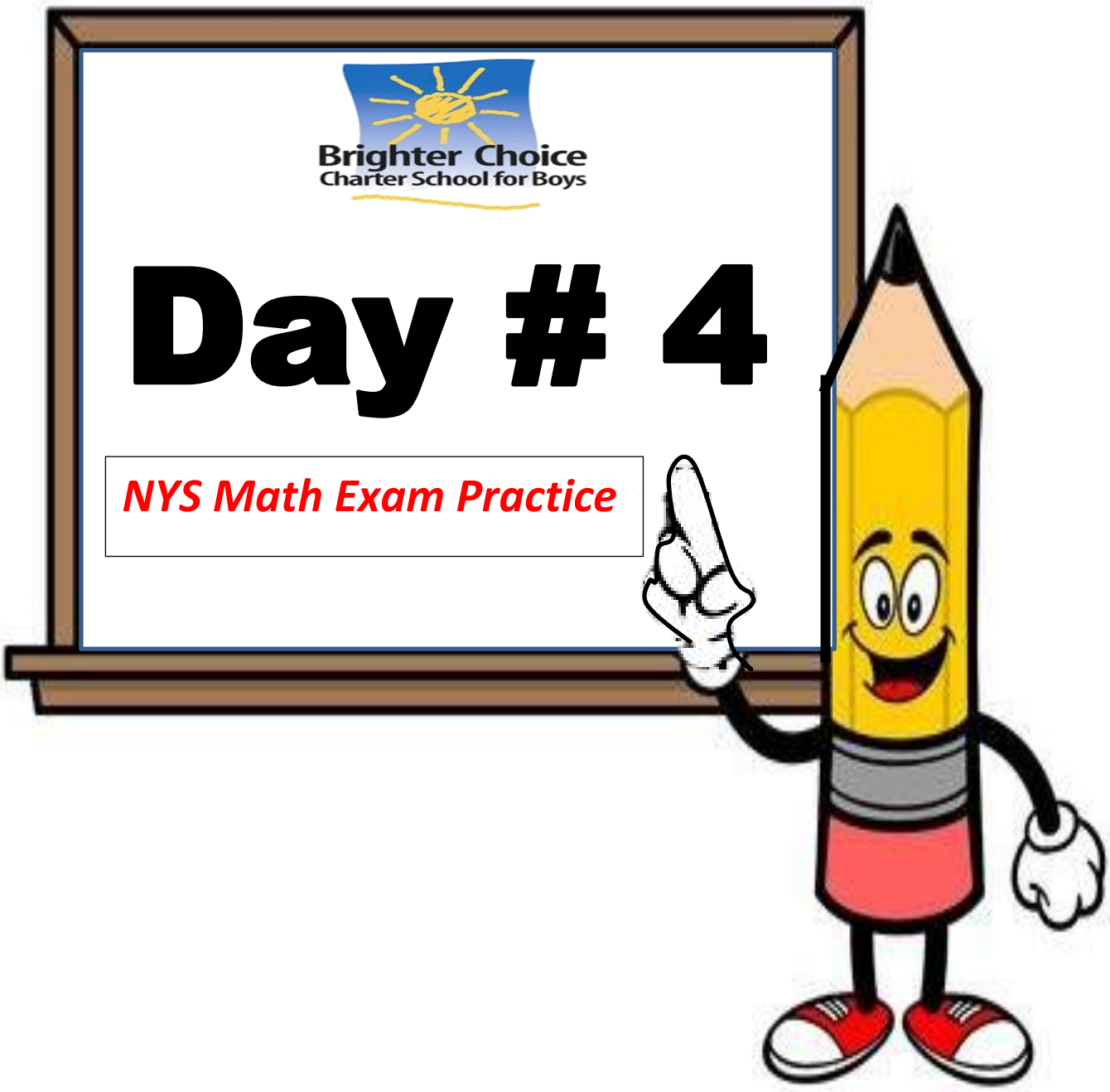
D 559

2. Suzy made cupcakes for her friends. She started at 2:40 p.m. The list below shows the number of minutes it took to complete each step of the process.

- 9 minutes to mix the batter
- 18 minutes to bake the cupcakes
- 5 minutes to let them cool
- 10 minutes to frost the cupcakes

What time did Suzy finish frosting the cupcakes?

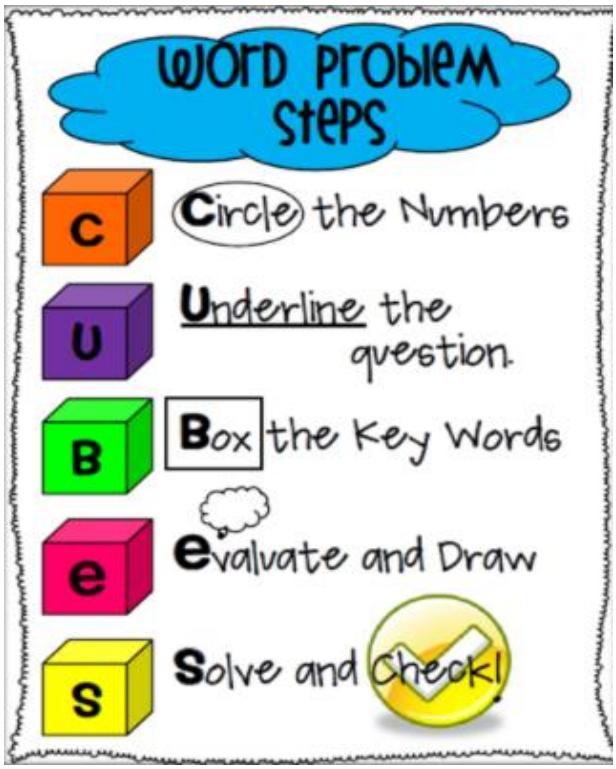
Show your work.


Brighter Choice
Charter School for Boys
Day # 4
NYS Math Exam Practice

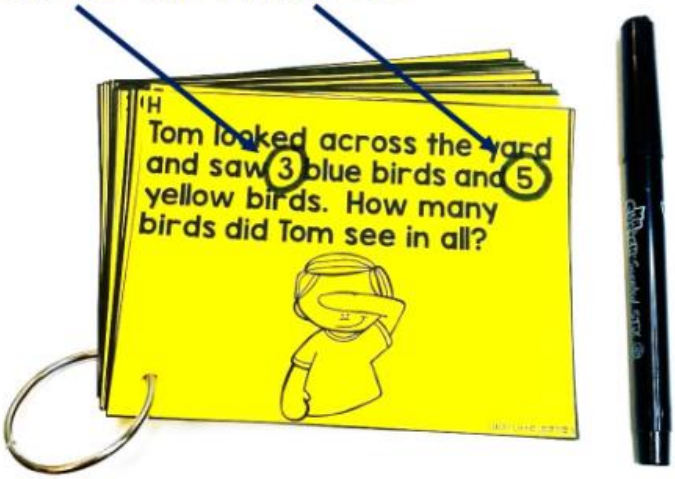
LEQ: How can I review word problems to be successful on the NYS math exam?

Objective: I can use CUBES, organize my work space, take great notes, and ask/answer questions to review word problems and be successful on the NYS math exam.

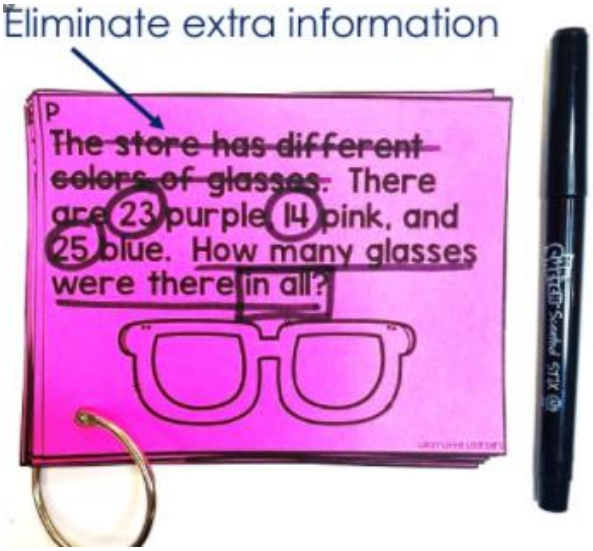
Vocabulary:



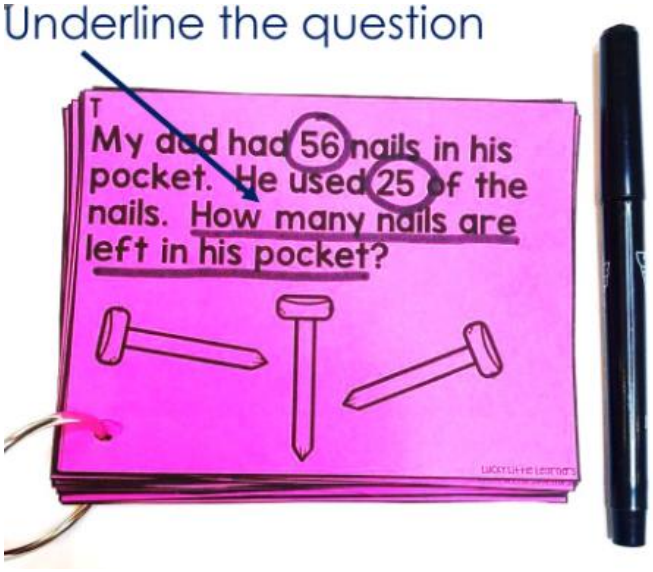
Circle the numbers



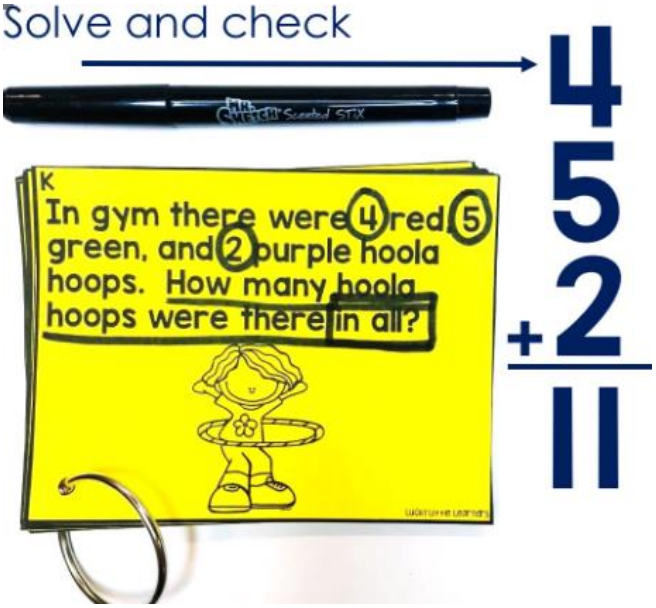
Eliminate extra information



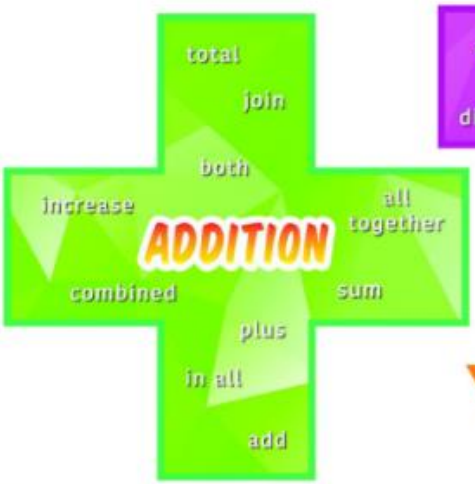
Underline the question

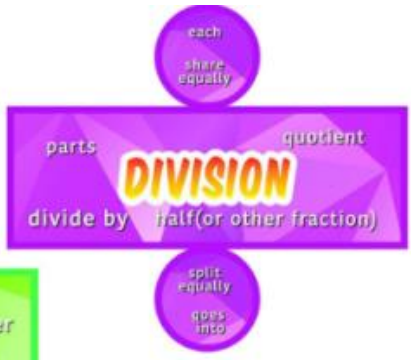


Solve and check



$$\begin{array}{r} 4 \\ 5 \\ +\,2 \\ \hline 11 \end{array}$$





Name: _____ Week 32 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

1. Selena had 204 stamps in her collection. She bought 47 more stamps. If she gave 38 stamps to her brother, how many stamps does Selena have now?

A 119

B 195

C 213

D 289

2. Mr. Kohlberg owns a flower shop. At the beginning of the day, he had 152 roses. Mr. Kohlberg sold 96 of the roses and then wanted to separate the rest of the roses equally among 8 vases. What will be the total number of roses in each vase?

A 7

B 12

C 48

D 56

3. Mrs. Allen made 8 pitchers of fruit punch for a party. She used 2 liters of water to make each pitcher of fruit punch. How many liters of water did Mrs. Allen use in all?

A 4

B 6

C 10

D 16

4. Maddie will ride her bike a total of 56 miles over 7 days. She will ride the same number of miles each day. What is the total number of miles Maddie will ride each day?

A 8

B 9

C 49

D 63

Day 1	
Day 2	
Day 3	
Day 4	
Day 5	
Day 6	
Day 7	

5. Noel read 90 minutes each day for 6 days. Tyra read 60 minutes each day for 8 days. What is the difference, in minutes, between the total amount of time Noel read and the total amount of time Tyra read?

A 30

B 40

C 60

D 80

6. Colton and his dad bought a gallon of paint that cost $13. They also bought 2 brushes that cost $9 each. What was the total cost, not including tax, of the brushes and the paint they bought?

A $22

B $24

C $31

D $35

7. Carmen saved 592 pennies. Her sister saved 128 pennies. Together, they put 250 pennies in wrappers and took them to the bank. What is the total number of pennies, rounded to the nearest hundred, Carmen and her sister have left?

A 300

B 500

C 700

D 1,000

8. There are 12 students in Ms. Miller's class. She needs 24 juice boxes for a class party. The juice boxes come in packages of 6 juice boxes each. Which expression represents the number of packages of juice boxes Ms. Miller needs to buy for the class party?

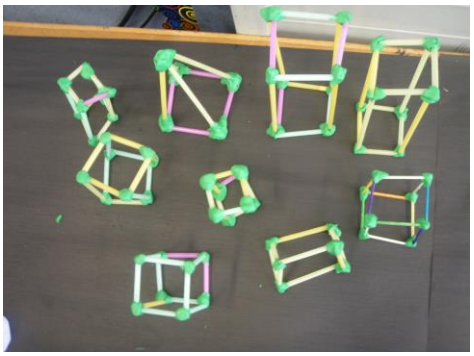
A $24 + 12$

B $36 \div 6$

C 12×6

D $24 \div 6$

9. Conor made 9 shapes with straws. Each shape had 5 straws. Conor used 15 more straws to make more shapes. What is the total number of straws Conor used to make all the shapes?



A 20

B 29

C 45

D 60

10. A store has 8 fish tanks that each have 40 liters of water. What is the total number of liters of water in all of the fish tanks?

A 5

B 48

C 280

D 320

11. Mrs. Ruiz bought 5 bags of balloons for a party. Each bag contained 70 balloons. Andy said Mrs. Ruiz bought a total of 75 balloons. Andy is incorrect.

What error did Andy make when calculating the total number of balloons?

_____

_____

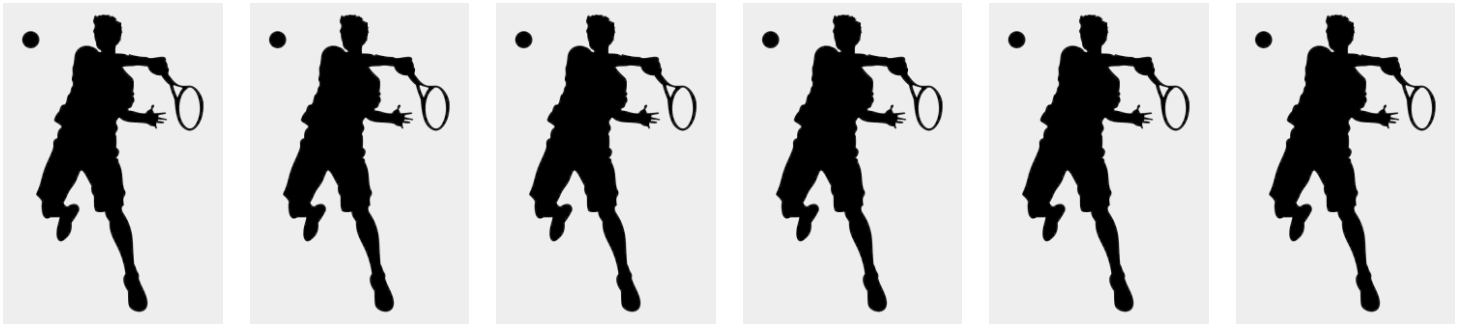
_____

What is the total number of balloons Mrs. Ruiz bought?

Show your work.

12. A tennis coach buys 8 cans of tennis balls. There are 3 tennis balls in each can. All of the tennis balls will be shared equally among 6 players. How many tennis balls will each player get?

Show your work.



Each player will get _____ tennis balls.

14. Ms. Ross is making breakfast for her family. She makes 15 small pancakes to share equally among 3 people. How many small pancakes will each person get?

Show your work.

Answer _____ pancakes

15. Ashlynn rides her bike 2 miles to school and 2 miles home each day. How many total miles will Ashlynn ride her bike to school and home in 40 days?

Show your work.

Name: _____ Week 32 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

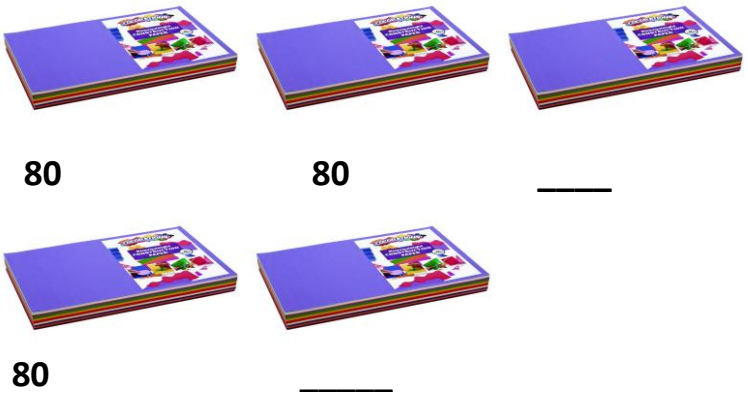
1. A teacher puts 5 packages of craft paper into a cabinet. Each package has 80 sheets of paper. What is the total number of sheets of craft paper that the teacher puts into the cabinet?

A 40

B 85

C 400

D 450



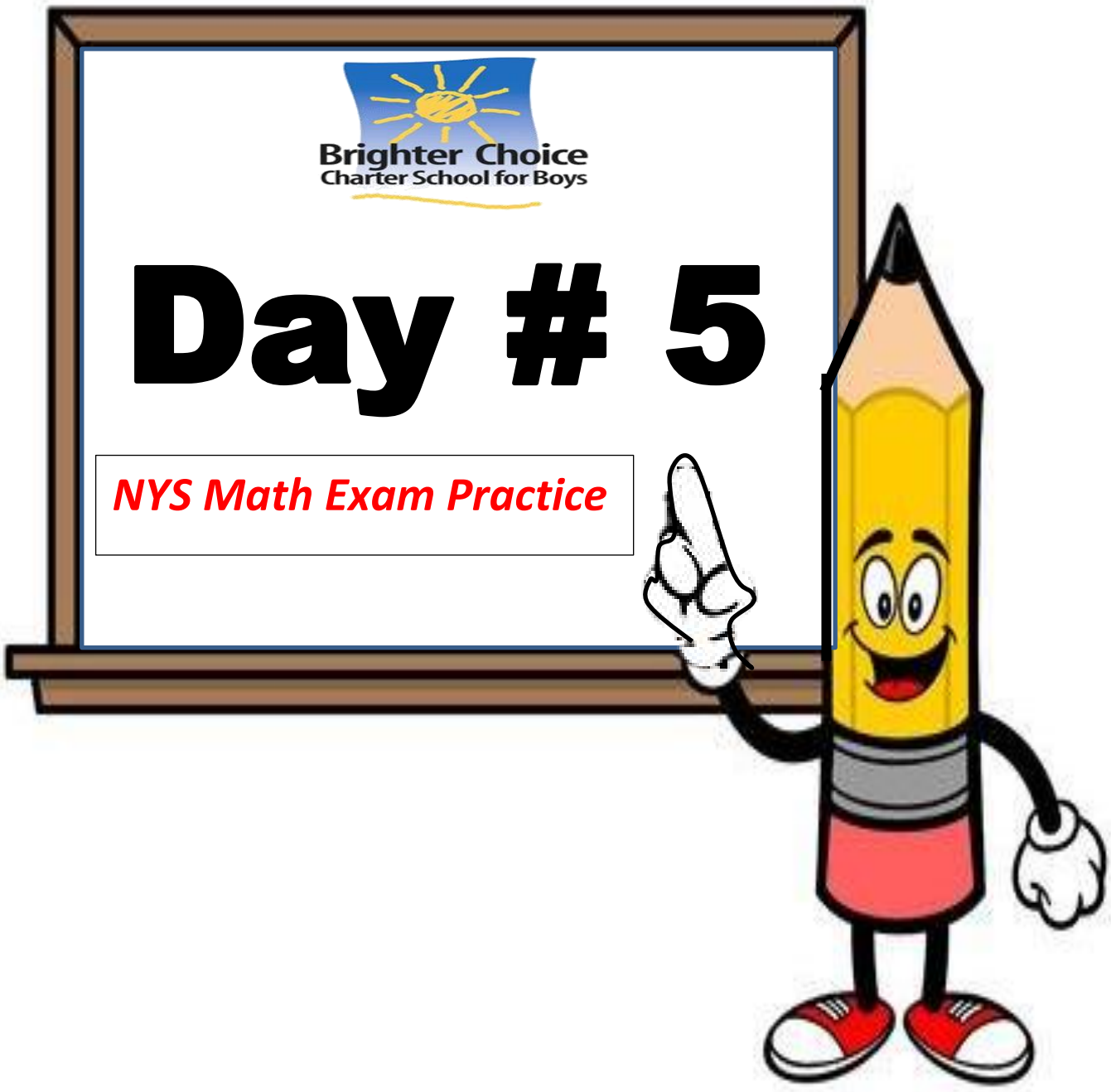
2. A librarian receives two boxes of books for the library. The first box has 136 books. The second box has 58 fewer books than the first box. What is the total number of books the librarian receives?

A 58

B 78

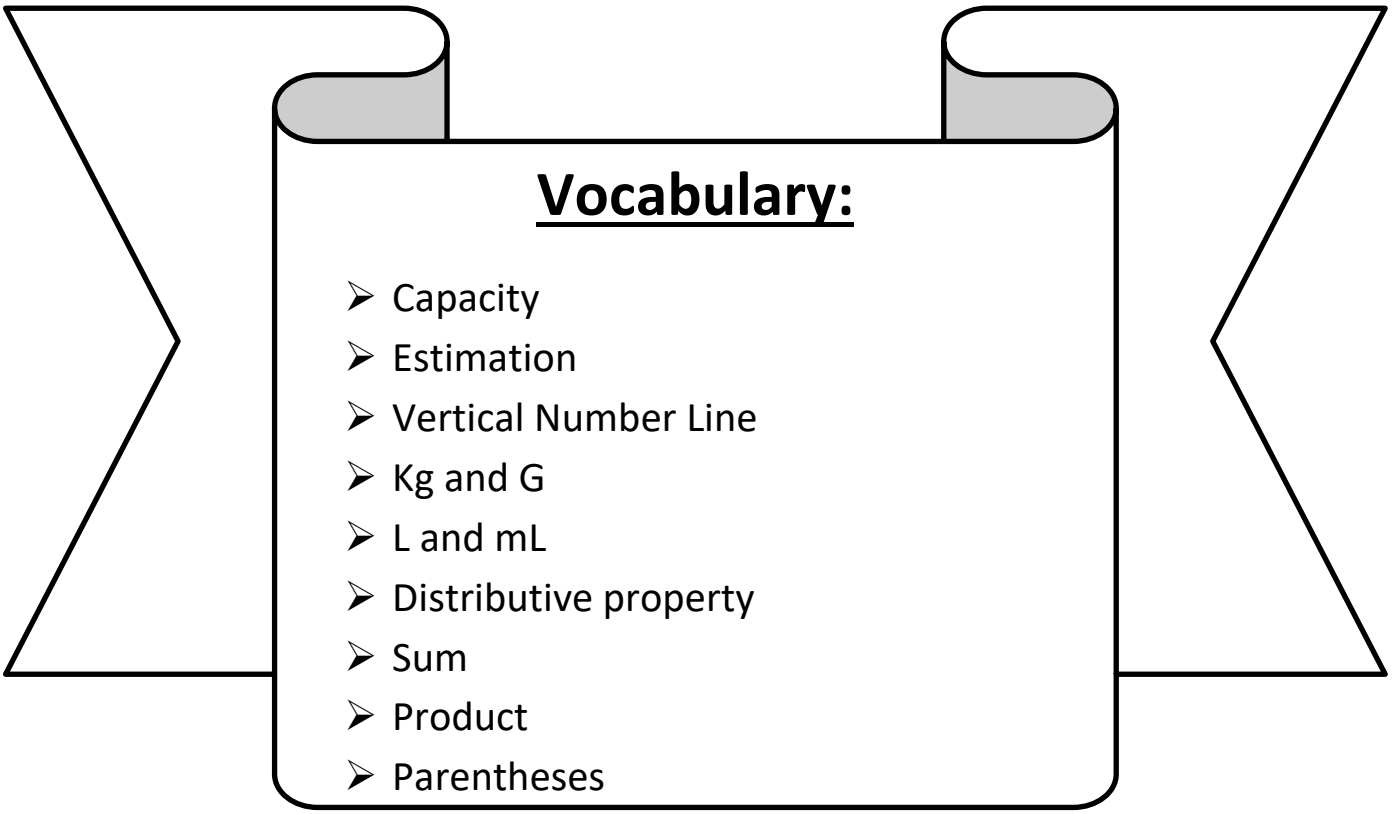
C 194

D 214

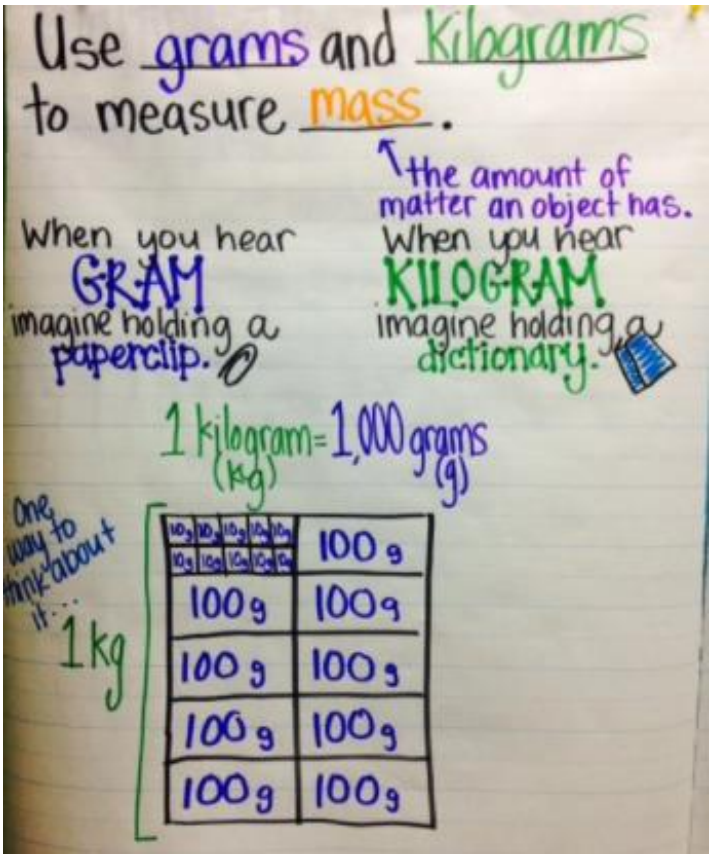

Brighter Choice
Charter School for Boys
Day # 5
NYS Math Exam Practice

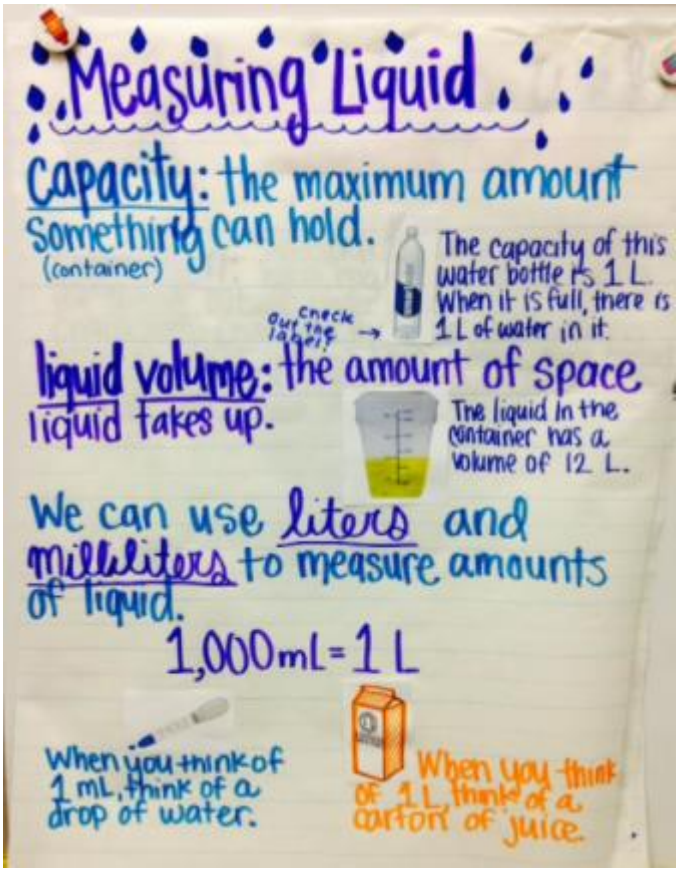
LEQ: How can I review measurement and the distributive property to be successful on the NYS math exam?

Objective: I can take great notes, organize my work space, take great notes, and ask/answer questions to review measurement and the distributive property and be successful on the NYS math exam.




A paperclip is about 1 gram
A heavy book is about 1 kilogram
1,000 grams (g) = 1 kilogram (kg)
A few drops is about 1 milliliter
A large water bottle is about 1 liter
1,000 milliliters (mL) = 1 liter (L)

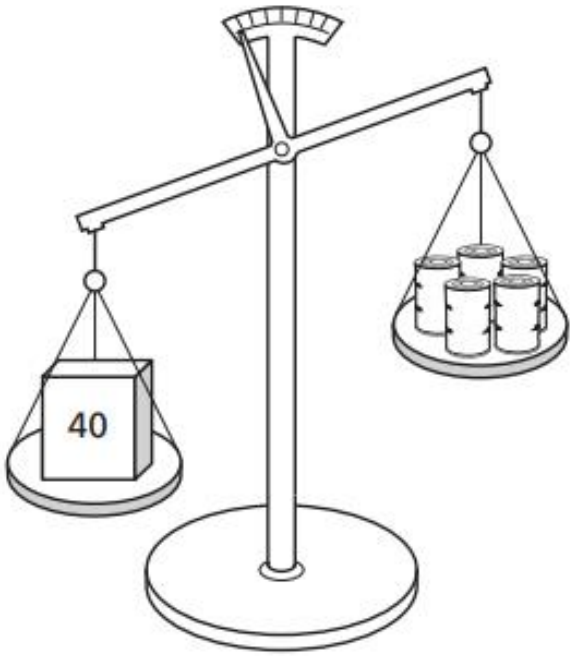

Use grams and Kilograms to measure mass.
the amount of matter an object has.
When you hear GRAM imagine holding a paperclip.
When you hear KILOGRAM imagine holding a dictionary.
1 kilogram (kg) = 1,000 grams (g)
One way to think about it...
1 kg
100 g
100 g
100 g
100 g
100 g
100 g
100 g
100 g
100 g
100 g


Measuring Liquid
Capacity: the maximum amount something (container) can hold.
The capacity of this water bottle is 1 L. When it is full, there is 1 L of water in it.
Check out the label!
liquid volume: the amount of space liquid takes up.
The liquid in the container has a volume of 12 L.
We can use liters and milliliters to measure amounts of liquid.
1,000 mL = 1 L
When you think of 1 mL, think of a drop of water.
When you think of 1 L, think of a carton of juice.

Name: _____ Week 32 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

1. The picture below shows that one box is heavier than 5 identical cans.



The box has a mass of 40 kilograms. What could be the mass, in kilograms, of 1 can?

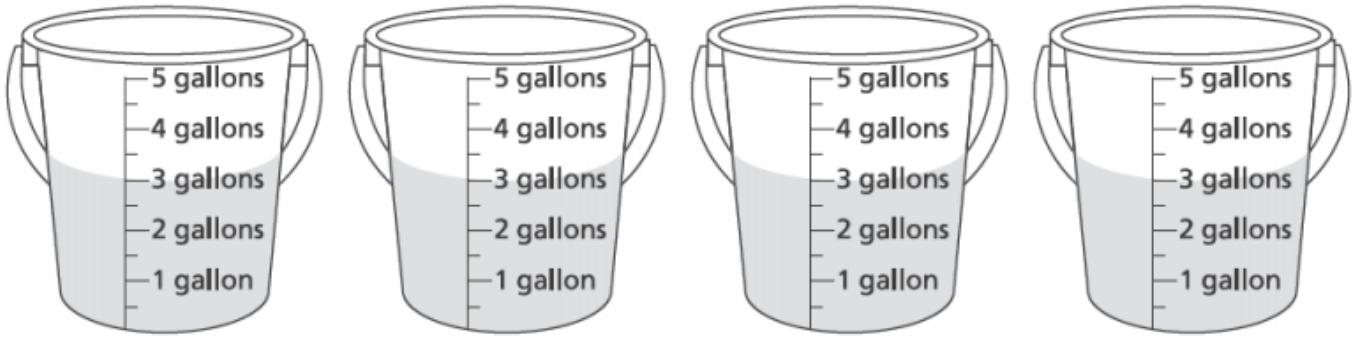
A 40

B 10

C 8

D 6

2. A third-grade class is having a car wash. They put the same amount of water in each bucket, as shown.



Which expression can be used to find the total amount of water, in gallons, in all the buckets?

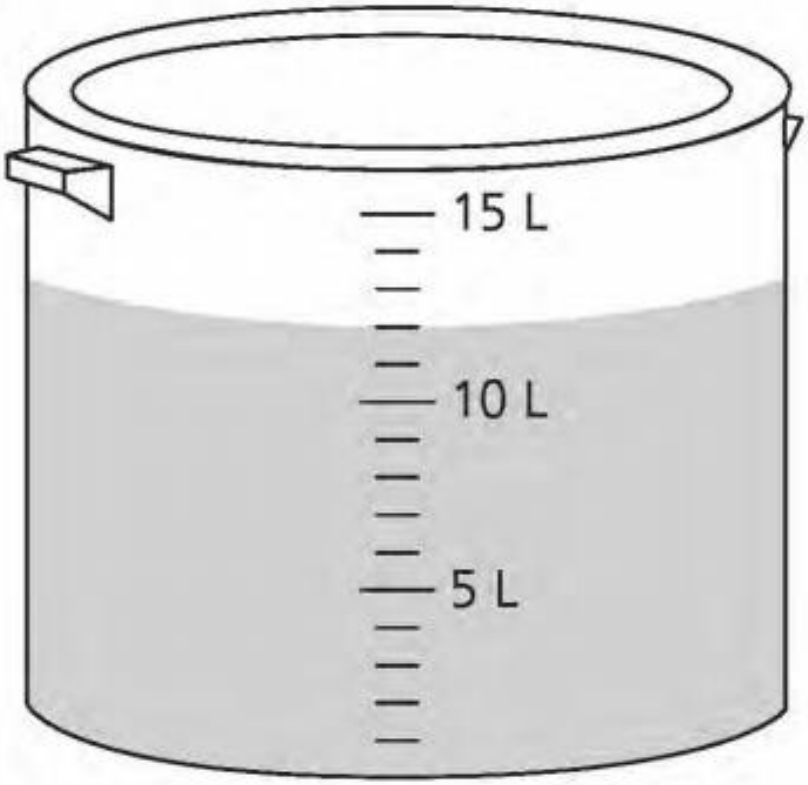
A 4×3

B 5×3

C 4×4

D 5×4

3. Kara has a bucket of water, as shown below.



Kara wants to pour all of the water equally into 3 bowls for her dogs. How many liters of water should Kara pour into each bowl?

A 4

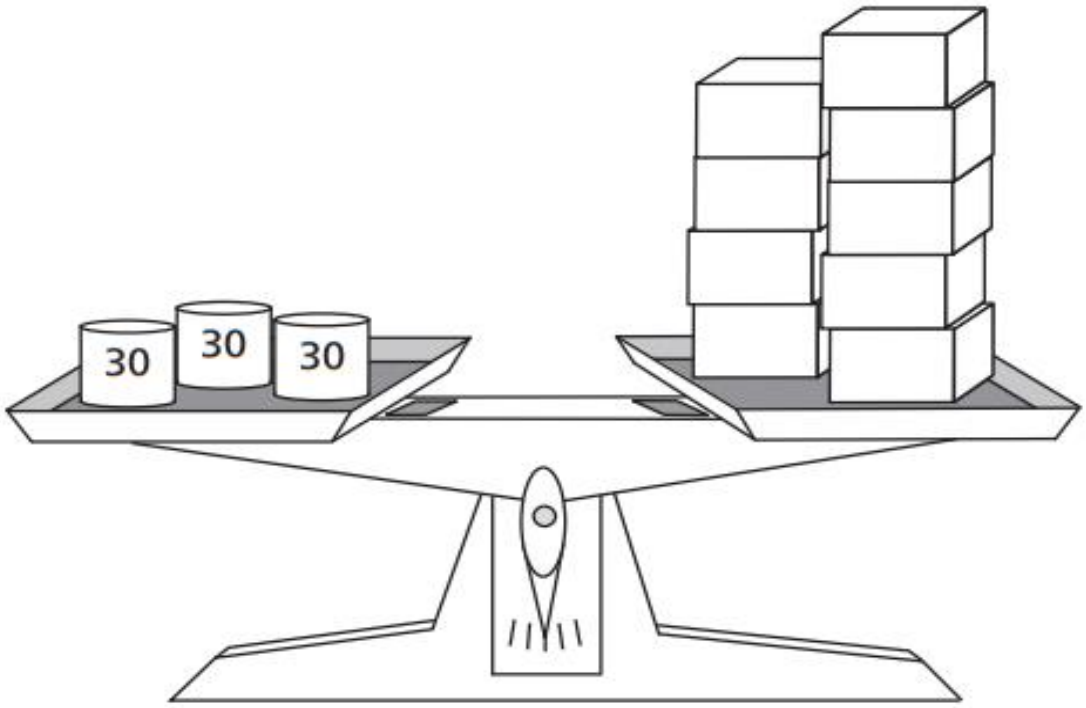
B 5

C 9

D 15

4. The picture below shows that 3 cans have the same mass as 9 identical boxes.

Each can has a mass of 30 grams.

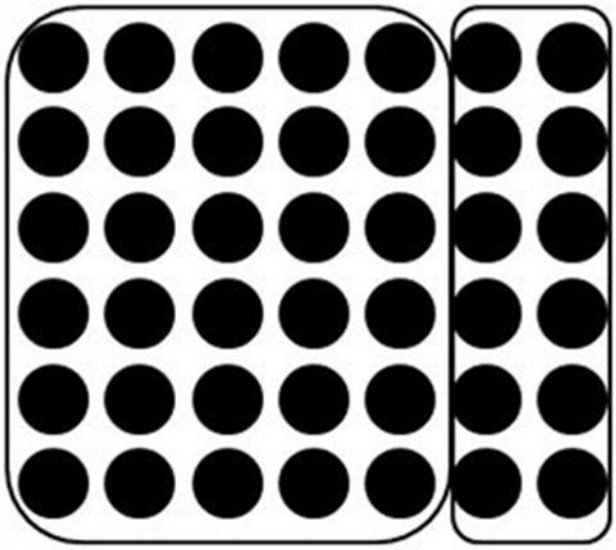


What is the mass, in grams, of each box?

Show your work.

Answer _____ grams

Distributive Property = Fact Fluency

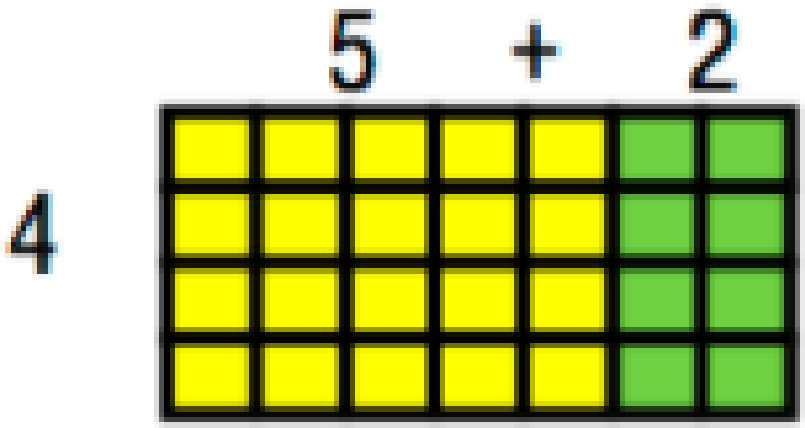


$6 \times 7 = \square$

$6 \times (5 + 2) = \square$

$(6 \times 5) + (6 \times 2) = \square$

MATH COACH'S CORNER



$4 \times 7 = 4 \times (5 + 2)$

$= (4 \times 5) + (4 \times 2)$

$= 20 + 8$

$= 28$

Name: _____ Week 32 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

1. Which expression is equivalent to $(5 + 2) \times 8$?

A $(8 \times 5) + (8 \times 2)$

B $(5 \times 8) + (5 \times 2)$

C $8 \times (5 \times 2)$

D $(5 \times 8) \times 2$

2. Which expression is equivalent to 4×9?

A $(4 \times 4) + (4 \times 5)$

B $(4 + 4) \times (4 + 5)$

C $(4 + 4) + (4 + 5)$

D $(4 \times 4) \times (4 \times 5)$

3. Which expression is another way to show 8×6?

A $(2 + 4) + 6$

B $(2 + 4) \times 6$

C $(2 \times 4) + 6$

D $(2 \times 4) \times 6$

4. Last week, Paul ate 2 cookies each day for 5 days. This week, he ate 2 cookies each day for 4 days. Which expression can be used to represent the total number of cookies Paul ate in these two weeks?

A $2 \times (5 \times 4)$

B $2 \times (5 + 4)$

C $(2 \times 5) \times (2 \times 4)$

D $(2 + 5) \times (2 + 4)$

5. Which expression is equivalent to 5×9?

A $(5 \times 4) \times (5 \times 5)$

B $(5 \times 5) + (5 \times 4)$

C $(5 \times 5) + (5 \times 9)$

D $(5 \times 9) \times (5 \times 9)$

6. Which expression has the same value as $(8 \times 5) + (8 \times 3)$?

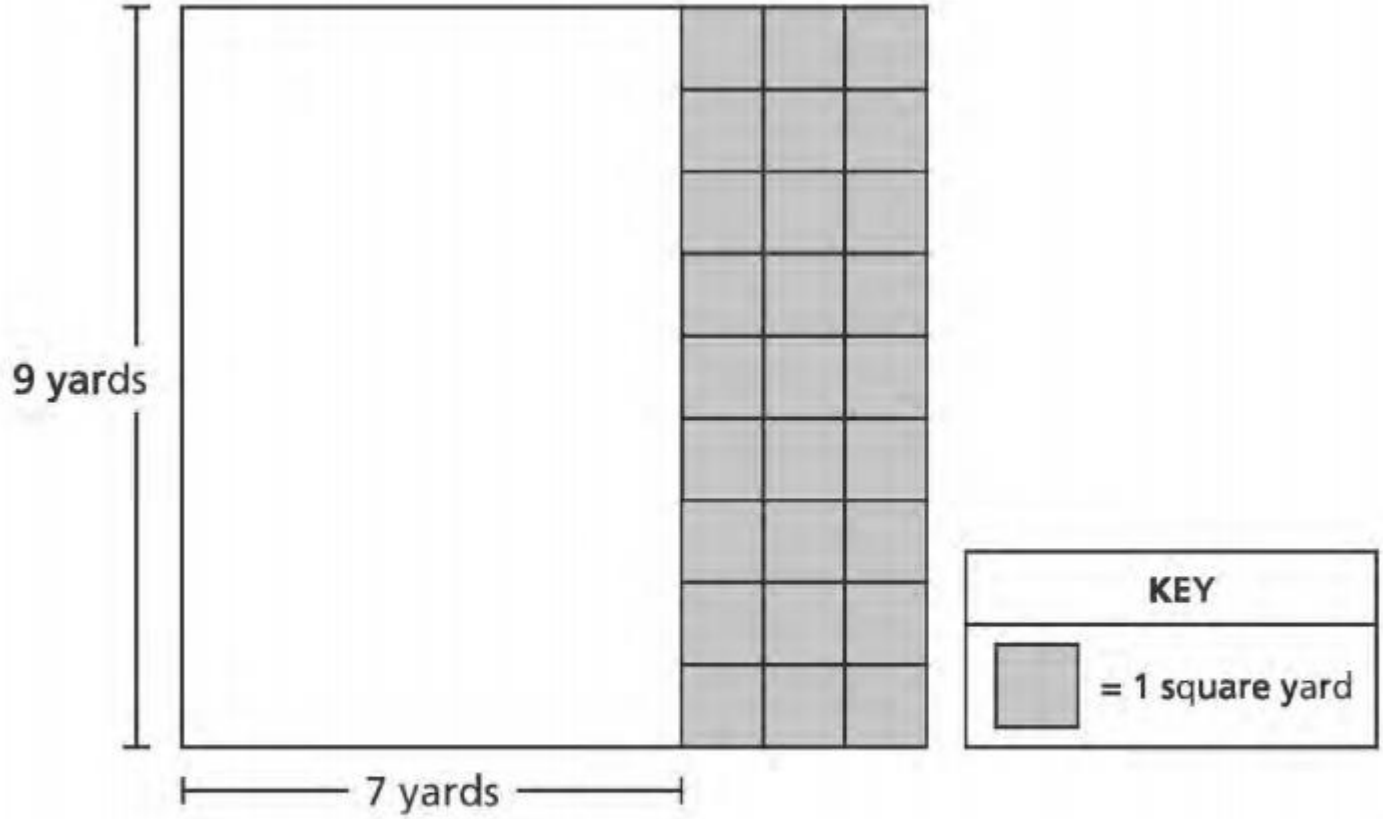
A 8×8

B 8×15

C $16 + 8$

D $13 + 11$

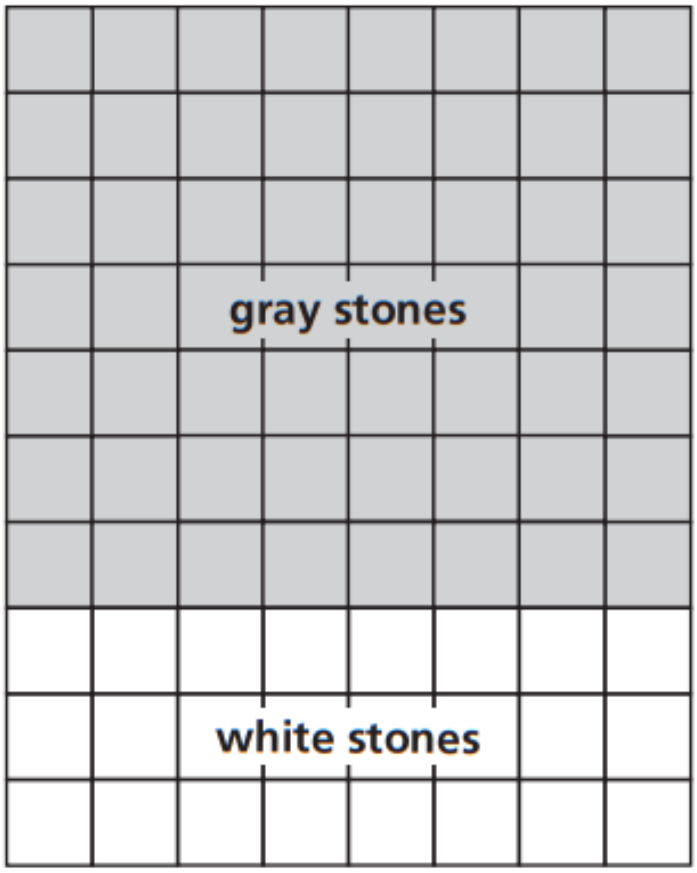
7. Mr. Nuccio's sandwich shop was 9 yards long and 7 yards wide before he added a new section. The shaded squares below show the new section.



What is the total area, in square yards, of Mr. Nuccio's sandwich shop after the new section was added?

Show your work.

8. Paul has gray and white paving stones in his patio. A diagram of his patio is shown below.



KEY
= 1 square foot

Which equation can be used to find the total area, in square feet, of Paul's patio?

A $(8 \times 7) + (8 \times 3) =$?

B $(8 + 7) \times (8 + 3) =$?

C $(10 \times 7) + (10 \times 3) =$?

D $(10 + 7) \times (10 + 3) =$?

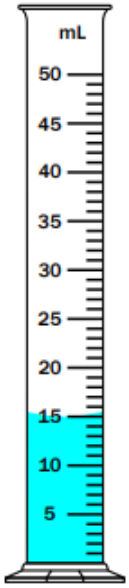
Name: _____ Week 32 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

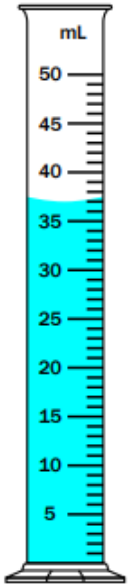
Exit Ticket:

Read each graduated cylinder and write the amount. Be sure to include **mL** in your answer.

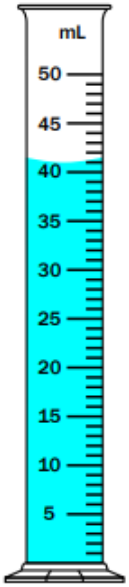
a.



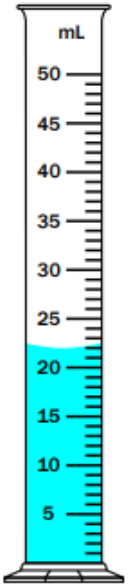
b.



c.



d.



15 mL _____ _____ _____

Write the answer to each number sentence.

a. 2 x (8 + 1) = _____

b. (6 x 3) + (6 x 7) = _____

c. 3 x (4 + 1) = _____

d. (8 x 2) + (8 x 1) = _____

e. 8 x (4 + 3) = _____

f. (12 x 1) + (12 x 0) = _____

g. 4 x (2 + 2) = _____

h. (5 x 7) + (5 x 1) = _____

i. 9 x (3 + 6) = _____

j. (1 x 99) + (1 x 1) = _____

Name _____

3rd Grade ESL Math Remote Learning Packet

Week 33

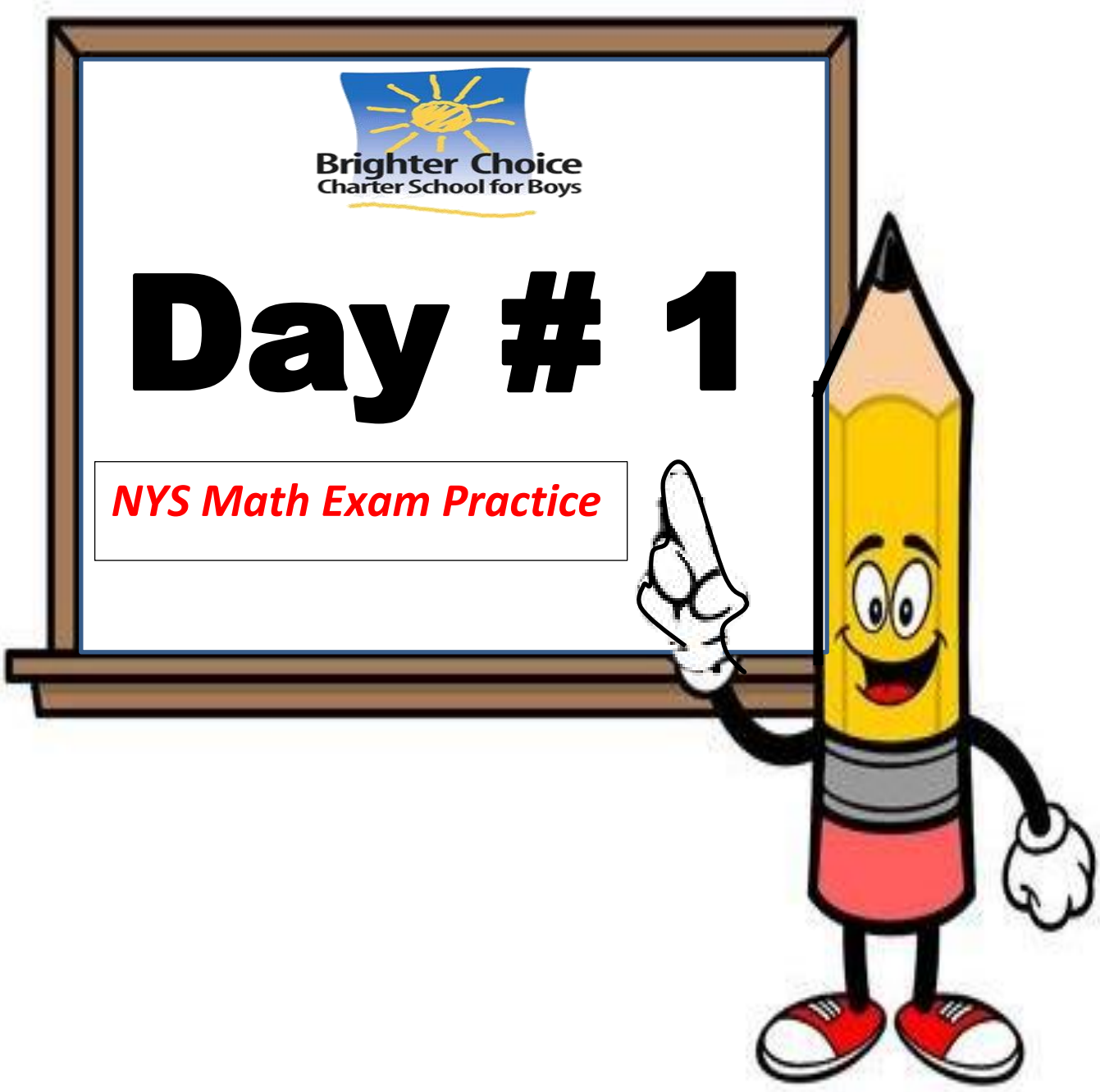
Dear Educator,

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.

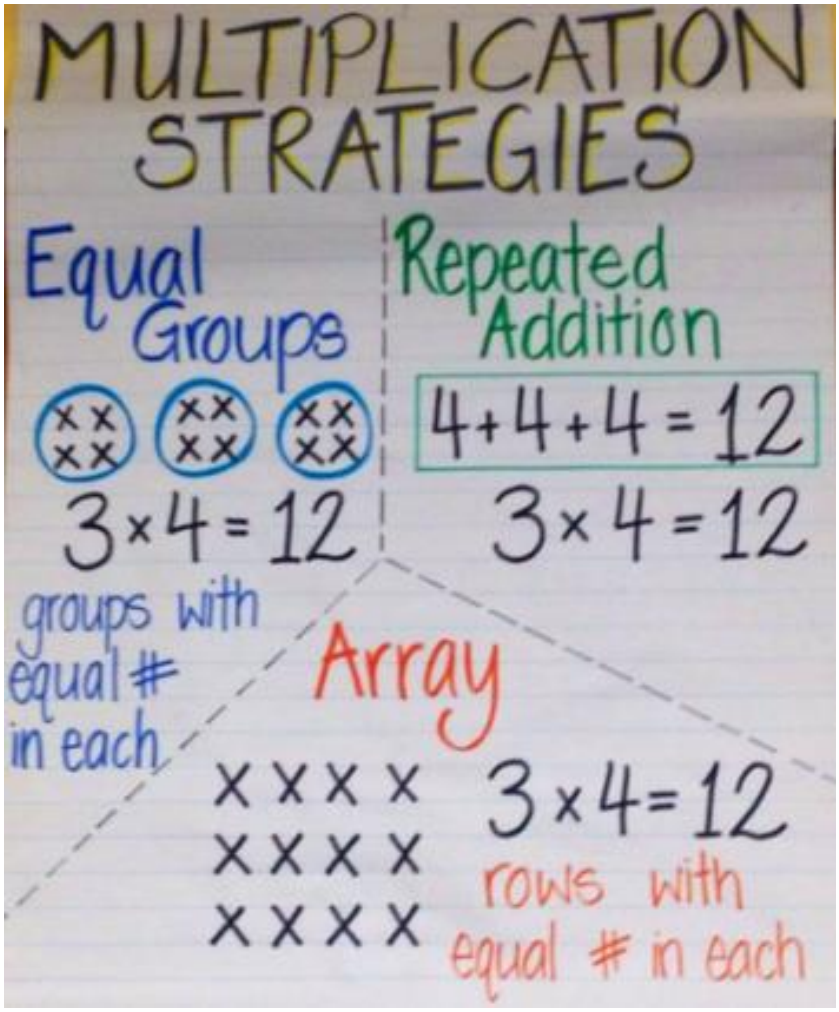

Brighter Choice
Charter School for Boys
Day # 1
NYS Math Exam Practice

LEQ: How can I review multiplication to be successful on the NYS math exam?

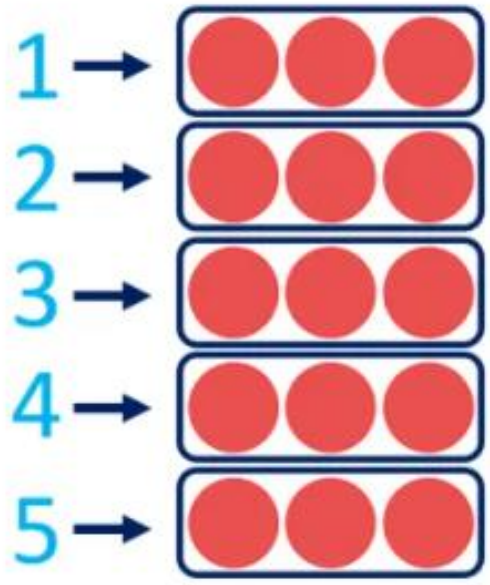
Objective: I can organize my work space, take great notes, and ask/answer questions to review multiplication and be successful on the NYS math exam.

Vocabulary:

- Product
- Factor
- Groups Of
- Equal Groups
- Rows and Columns
- Arrays



5 × 3



"5 equal groups of 3"

3 + 3 + 3 + 3 + 3

Name: _____ Week 33 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

6 x 4

Arrays	Equal Groups	Repeated Addition

4 x 7

Arrays	Equal Groups	Repeated Addition

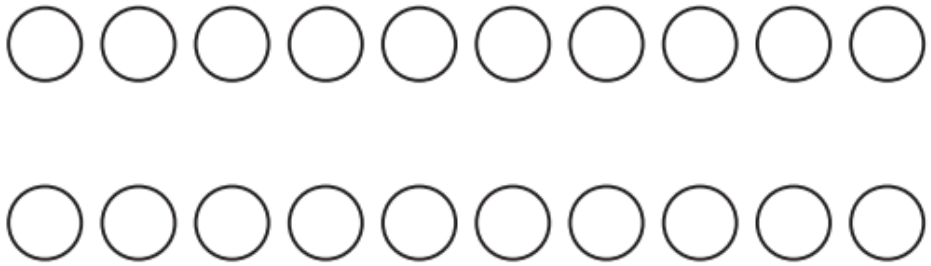
9 x 3

Arrays	Equal Groups	Repeated Addition

Name: _____ Week 33 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

1. Which expression could be used to find the total number of circles shown below?



A $2 + 20$

B 2×20

C $2 + 10$

D 2×10

2. Umi created the number pattern below by adding the same amount each time to get the next number.

20, 40, 60, 80, . . .

What will be the eighth number in the pattern?

A 160

B 240

C 320

D 640

3. The table shows the total number of wheels Mr. Monroe needs to make different numbers of wagons.

WHEELS NEEDED FOR WAGONS

Number of Wagons	Total Number of Wheels
1	4
2	8
3	12
4	16

What is one pattern that can be seen in the table?

A The number of wheels increases by 1 each time.

B The number of wheels increases by 3 each time.

C The number of wheels increases by 4 each time.

D The number of wheels increases by 12 each time.

4. A group of students played a basketball game after school. Which total can be found using the expression 7×2?

A the total number of points if a player made 7 shots and each shot was worth 2 points

B the total number of basketballs if 7 basketballs were old and 2 basketballs were new

C the total number of points if one player had 7 points and a different player had 2 points

D the total number of basketballs used if there were 7 basketballs and 2 of the basketballs were not used

5. Which expression is equal to 720?

A 7×20

B 8×80

C 9×80

D 9×90

6. Which situation could be represented by the expression 6×2?

A Rocco hiked six miles each day for two days.

B Rocco had six baseballs and gave away two of them.

C Rocco had a total of six tennis balls in two cans.

D Rocco biked six miles and then continued for two more miles.

7. There were 6 rows of chairs set up for a meeting. Each row had 8 chairs. What was the total number of chairs set up for the meeting?

A 14

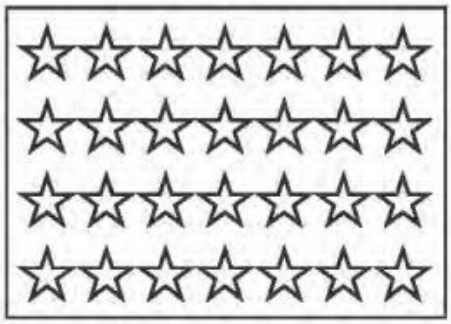
B 36

C 48

D 64

8. Katia received a sticker each time she picked up her toys. She placed some of the stickers on page 1 of her scrapbook, as shown below.

Page 1



Write numbers in the blanks below to show two multiplication facts represented by the array of stickers on page 1 of her scrapbook.

____ × ____ = ____

____ × ____ = ____

Katia placed the rest of the stickers on pages 2 and 3 of her scrapbook, as shown below.

Page 2

Page 3

Complete the expression below to represent the total number of stickers on pages 2 and 3.

____ × (____ + ____)

9. A total of 30 players will play basketball at a park. There will be exactly 5 players on each team. Which statement correctly explains how to find the number of teams needed?

A Add 5 to 30 to find 35 teams.

B Divide 30 by 5 to find 6 teams.

C Multiply 30 and 5 to find 150 teams.

D Subtract 5 from 30 to find 25 teams.

10. A number pattern is shown below.

5, 9, 13, 17, 21, 25, 29

Which rule could have been used to make the pattern?

A Start with 0. Add 4 each time to get the next number.

B Start with 0. Add 5 each time to get the next number.

C Start with 5. Add 4 each time to get the next number.

D Start with 5. Add 5 each time to get the next number.

11. Lucy is counting by 2s. She starts with the number 2 and stops at the number 50. Which number would Lucy **not** count?

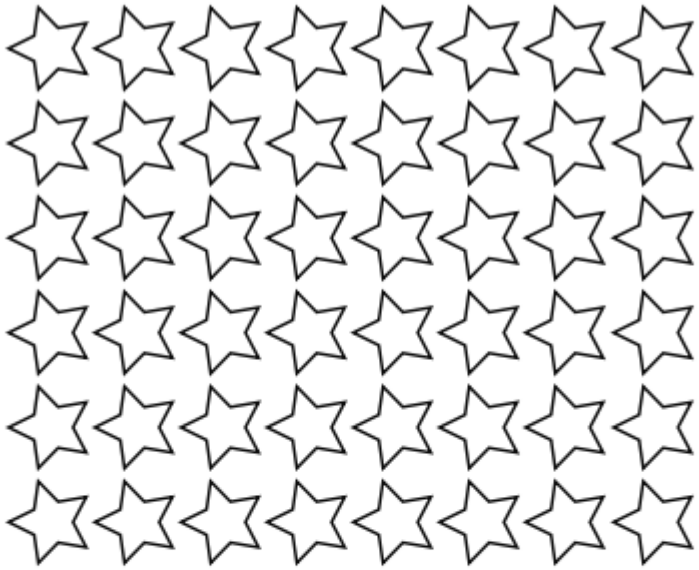
A 11

B 22

C 34

D 48

12. Ethan made the array below to show the product of 6×7.



Does Ethan's model show the product of 6×7? Explain why or why not.

Answer

Name: _____ Week 33 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Wyatt wants to solve the equation below to find the missing factor.

$$8 \times \underline{\ ?\ } = 24$$

How can Wyatt find the missing factor by changing the equation to a division problem? Be sure to include the value of the missing factor in your answer.

Explain your answer.

_____

_____

_____

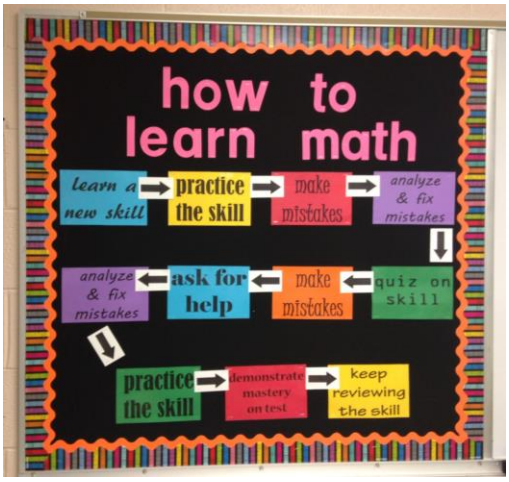
2. A bulletin board can be covered completely by 30 square pieces of paper without any gaps or overlaps. If each piece of paper has side lengths of 1 foot, what is the total area of the bulletin board?

A 1 foot

B 30 feet

C 1 square foot

D 30 square feet



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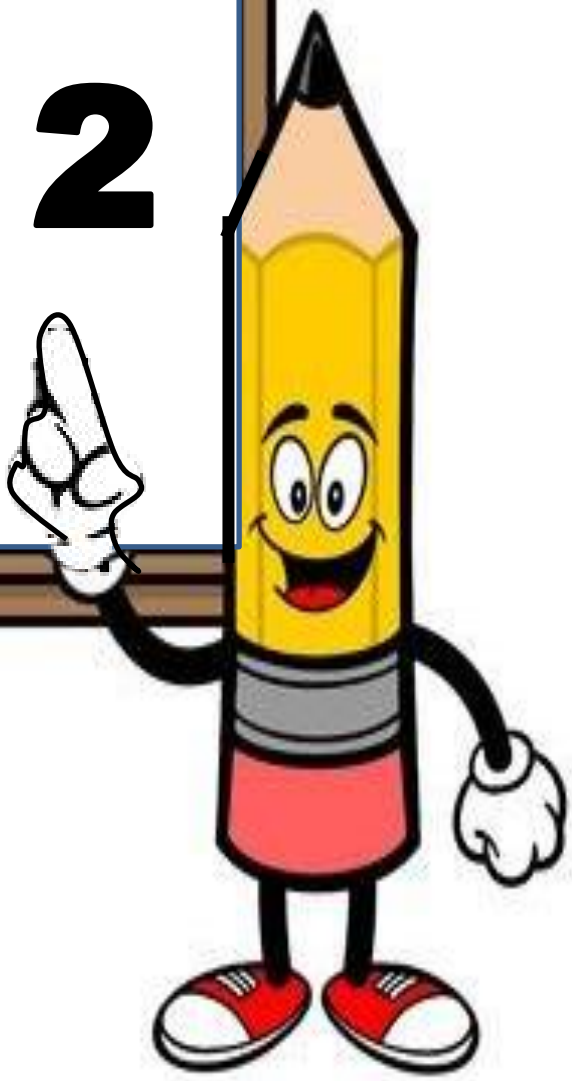
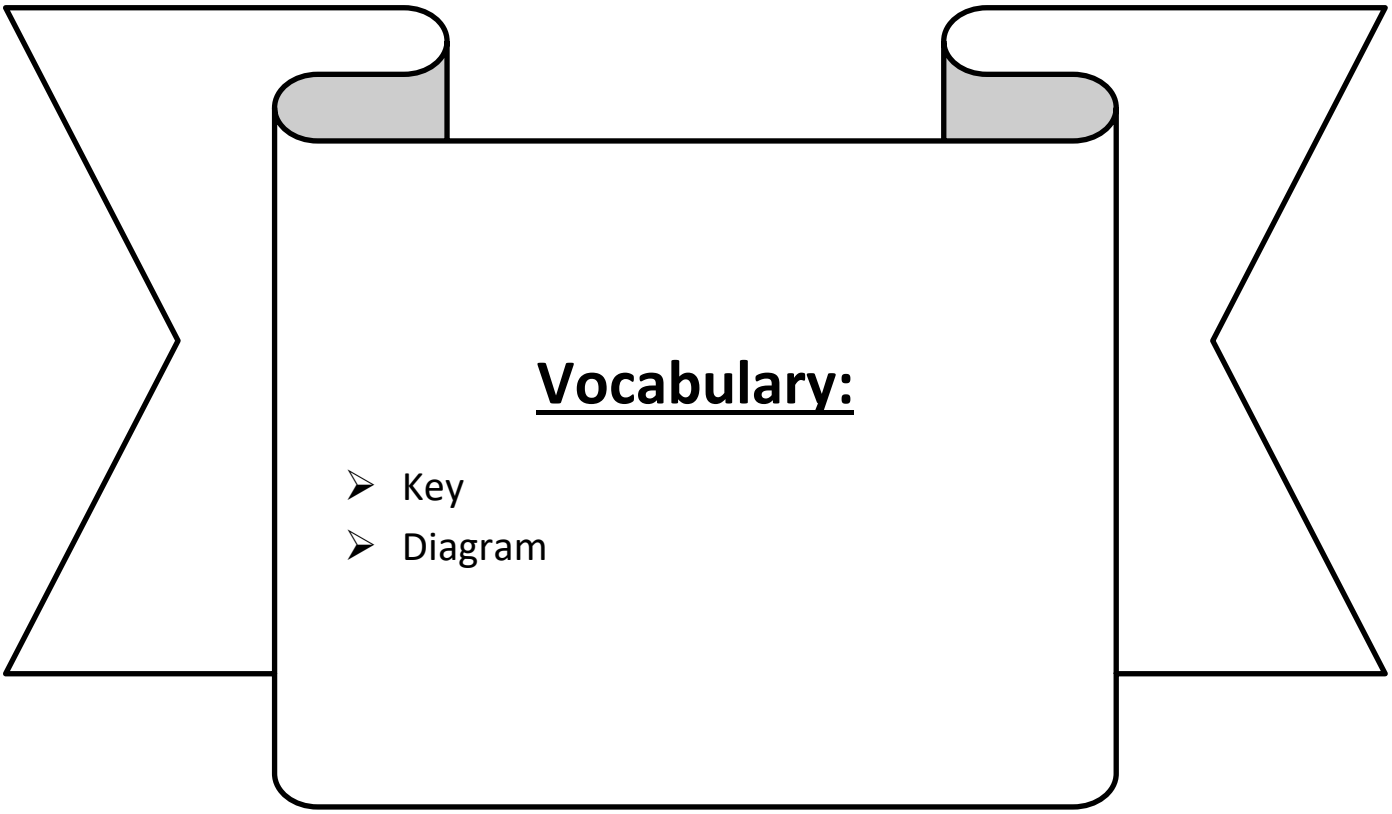
Day # 2

NYS Math Exam Practice



LEQ: How can I review visual data and even/odd numbers to be successful on the NYS math exam?

Objective: I can organize my work space, take great notes, and ask/answer questions to review visual data and even/odd numbers and be successful on the NYS math exam.



Name: _____ Week 33 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

1. The tally chart below shows the favorite seasons of Mr. Slater's students.

OUR FAVORITE SEASONS

Season	Number of Students
Spring	𝍸
Summer	𝍸 |
Fall	||
Winter	𝍸 |||

Which picture graph correctly shows the data?

A

OUR FAVORITE SEASONS

Season	Number of Students
Spring	🎈🎈🎈🎈
Summer	🎈🎈🎈🎈🎈🎈
Fall	🎈🎈
Winter	🎈🎈🎈🎈🎈🎈🎈🎈

KEY
🎈 = 2 students

C

OUR FAVORITE SEASONS

Season	Number of Students
Spring	🎈🎈🎈
Summer	🎈🎈🎈
Fall	🎈
Winter	🎈🎈🎈🎈

KEY
🎈 = 2 students

B

OUR FAVORITE SEASONS

Season	Number of Students
Spring	🎈🎈
Summer	🎈🎈🎈
Fall	🎈🎈
Winter	🎈🎈🎈🎈

KEY
🎈 = 2 students

D

OUR FAVORITE SEASONS

Season	Number of Students
Spring	🎈🎈
Summer	🎈🎈🎈
Fall	🎈
Winter	🎈🎈🎈🎈

KEY
🎈 = 2 students

2. Mr. Stone asked each of his students to name one favorite hobby. He made the picture graph shown below to display the data.

STUDENTS' FAVORITE HOBBIES

Hobby	Number of Students
Drawing	
Reading	
Sports	

KEY
 = 2 students

Which table represents the same data as the picture graph?

A

STUDENTS' FAVORITE HOBBIES

Hobby	Number of Students
Drawing	4
Reading	6
Sports	8

C

STUDENTS' FAVORITE HOBBIES

Hobby	Number of Students
Drawing	2
Reading	3
Sports	4

B

STUDENTS' FAVORITE HOBBIES

Hobby	Number of Students
Drawing	8
Reading	6
Sports	4

D

STUDENTS' FAVORITE HOBBIES

Hobby	Number of Students
Drawing	4
Reading	5
Sports	6

3. An art teacher is planning a painting project for her classes. She made the table below to show how much paint she would need for each class.

PAINT FOR ONE CLASS

Color	Amount Needed (pints)
Red	4
Yellow	2
Blue	3

What is the total number of pints of paint that will be needed for her five classes?

Show your work.

Answer _____ pints

4. Several students voted on their favorite sports activities.

- Eight students voted for basketball.
- Three students voted for volleyball.
- Seven students voted for baseball.
- Four students voted for kickball.

Complete the picture graph below to show the data.

FAVORITE SPORT ACTIVITY

Activity	Number of Students
Basketball	
Volleyball	
Baseball	
Kickball	

KEY
◯ = 2 students

5. Ms. Amani and Mr. Blake each ordered supplies for their classrooms. The cost of the supplies is shown below.

CLASSROOM SUPPLIES

Supply	Cost
Pencil Case	$3
Box of Crayons	$4
Pack of Folders	$2

Ms. Amani ordered 7 pencil cases and 9 packs of folders. Mr. Blake ordered 9 boxes of crayons. What is the difference in the cost of the supplies Ms. Amani ordered and the cost of the supplies Mr. Blake ordered?

Show your work.

Difference in cost $_____

Even All In Pairs	Odd Not All In Pairs
0	1
2	3
4	5
6	7
8	9

Count the items in each group. Tell whether there is an odd number or even number of each object.

1. 

How many? _____

Odd or even? _____

2. 

How many? _____

Odd or even? _____

3. 

How many? _____

Odd or even? _____

4. 

How many? _____

Odd or even? _____

5. 

How many? _____

Odd or even? _____

6. 

How many? _____

Odd or even? _____

7. 

How many? _____

Odd or even? _____

1. Leslie says that 5 multiplied by an even number always results in an even product. Is Leslie's statement correct?

Explain your answer.

_____

_____

_____

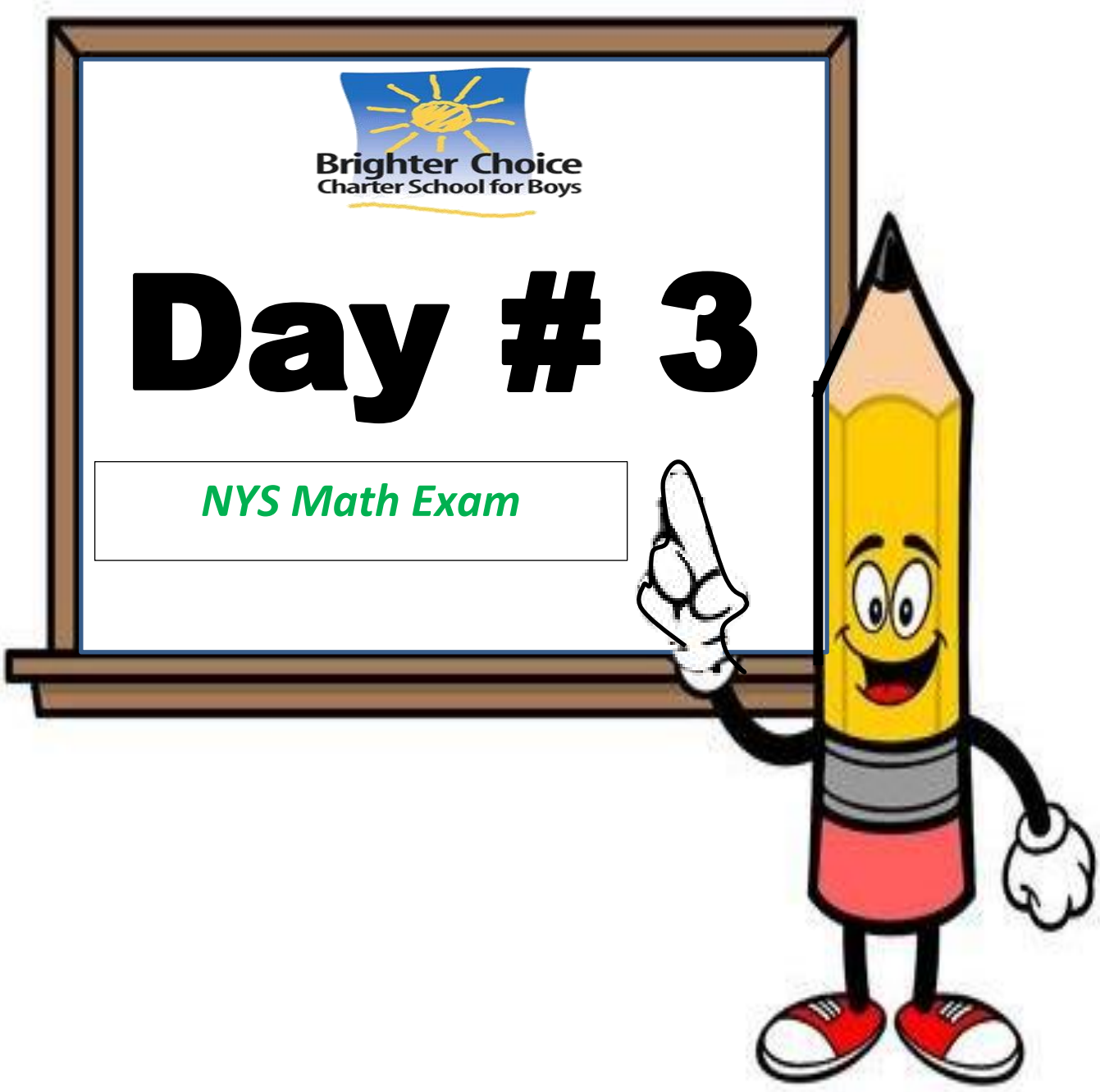
2. Which statement is true?

A The product of 5×2 is even because both of the factors are even.

B The product of 4×4 is odd because both of the factors are even.

C The product of 2×7 is even because both of the factors are odd.

D The product of 5×3 is odd because both of the factors are odd.

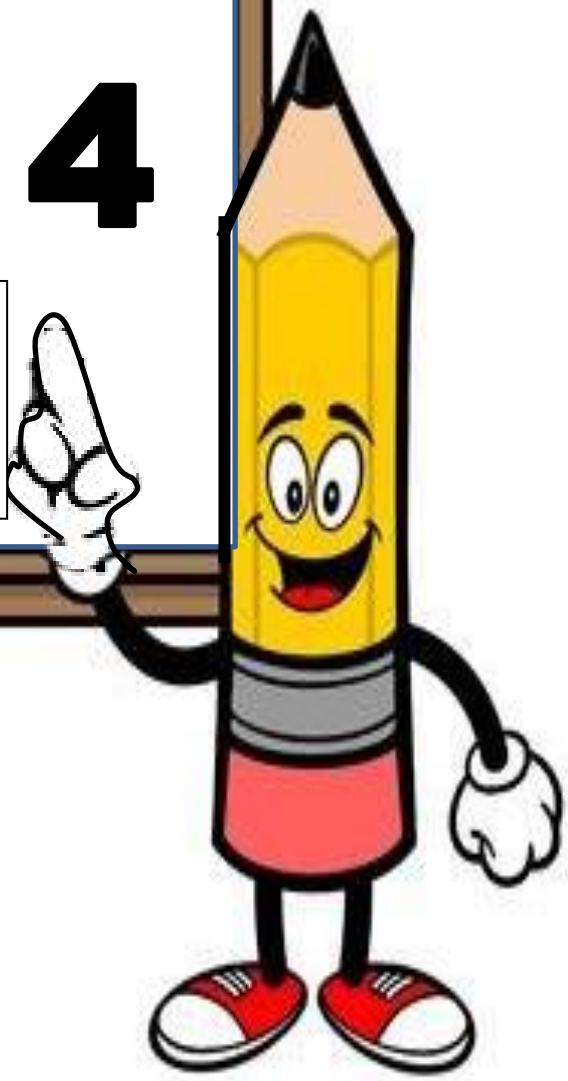

Brighter Choice
Charter School for Boys
Day # 3
NYS Math Exam

Brighter Choice
Charter School for Boys

Day # 4

NYS Math Exam ***<u>Make up Day</u>***

Scholars who are not testing will engage in a Jeopardy Review game created by Mrs. Blomgren

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Charter School for Boys
Day # 5

LEQ: How can I explore perimeter as an attribute of plane figures and solve problems?

Objective: I can add side lengths of any given shape to explore perimeter as an attribute of plane figures and solve problems.

Vocabulary:

- Units
- Perimeter
- Sum

Name: _____ Week 33 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exploration:

Mrs. Mclean wants to put a fence around her back yard. How much fencing should she buy?

10 Feet

8 Feet

Name: _____ Week 33 Day 5 Date: _____

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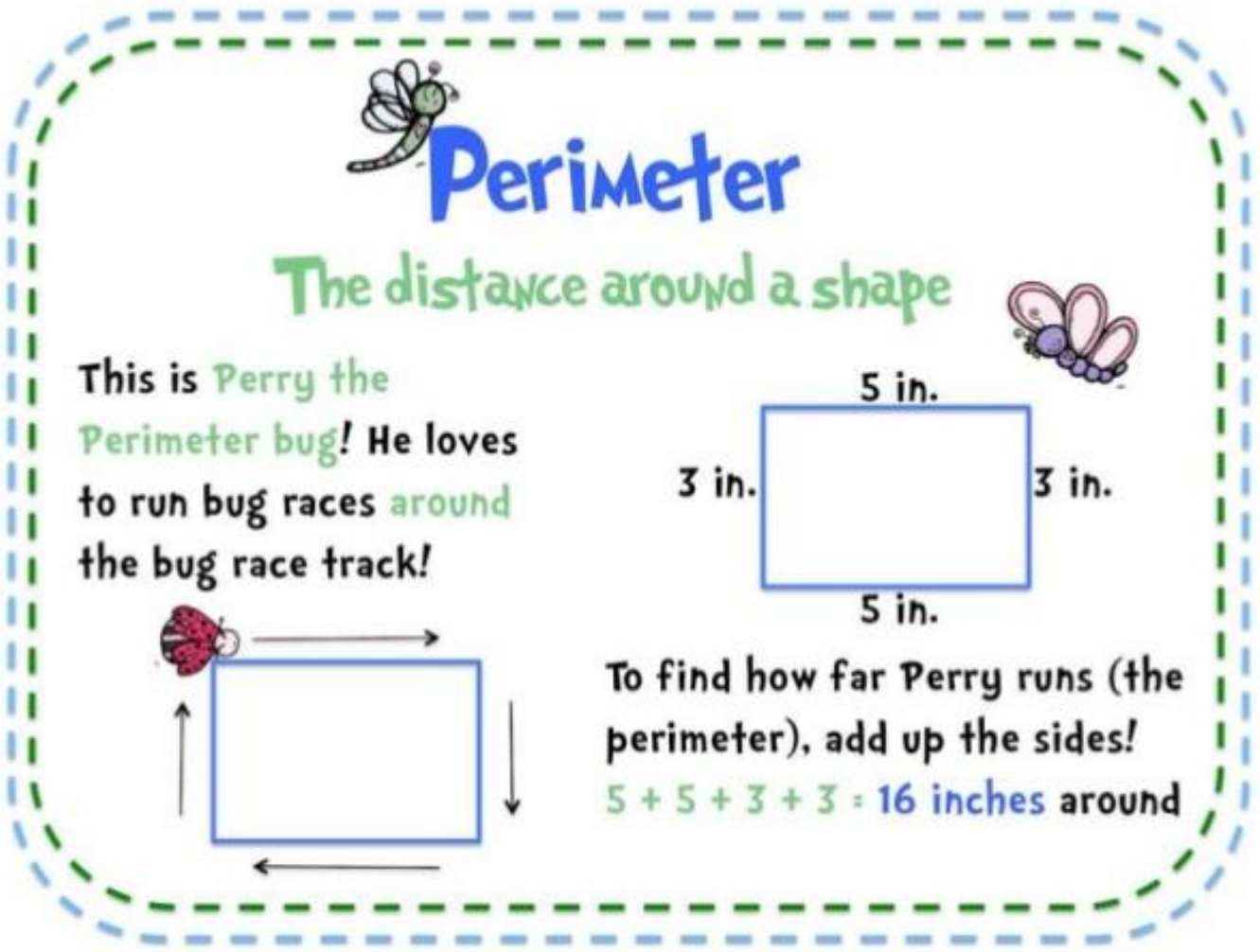
Input (My Turn):



While the area of a shape is the space that's inside in square units, a shape's

__perimeter_____ is the distance around it in the given unit. To find

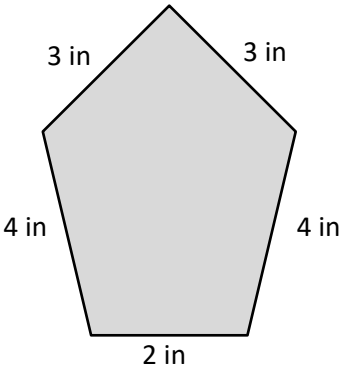
the perimeter of a square with a side length of 4 inches, I would add 4 inches + 4

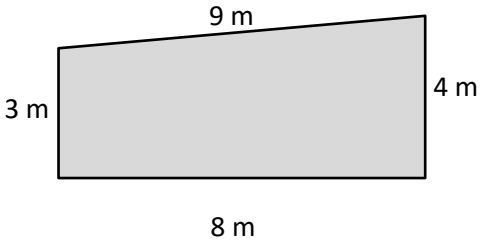
inches + 4 inches + 4 inches to get a perimeter of _____ inches.

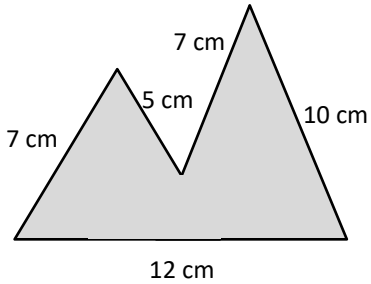
Name: _____ Week 33 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):







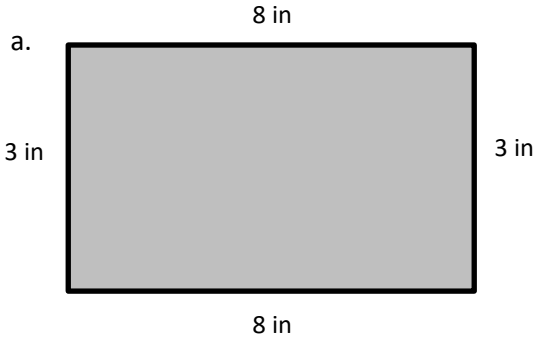
Name: _____ Week 33 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Find the perimeter of the following shapes.

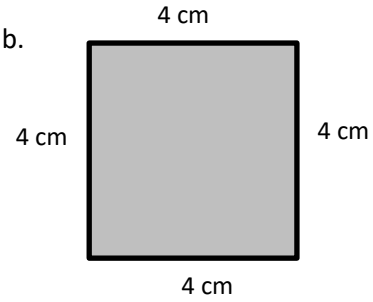
a.



P = 3 in + 8 in + 3 in + 8 in

= _____ in

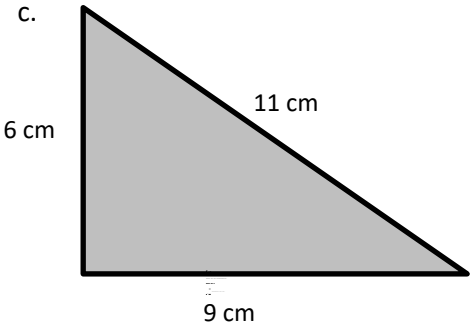
b.



P = ____ cm + ____ cm + ____ cm + ____ cm

= _____ cm

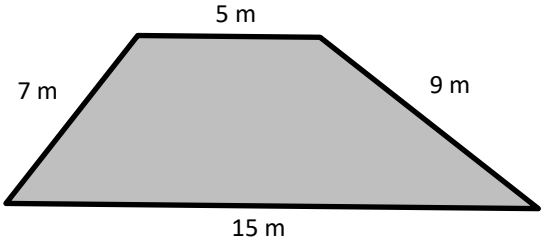
c.



P = ____ cm + ____ cm + ____ cm

= _____ cm

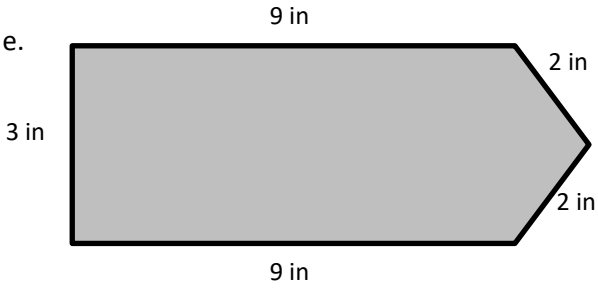
d.



P = ____ m + ____ m + ____ m + ____ m

= _____ m

e.



P = ____ in + ____ in + ____ in + ____ in + ____ in

= _____ in

Name: _____ Week 33 Day 5 Date: _____

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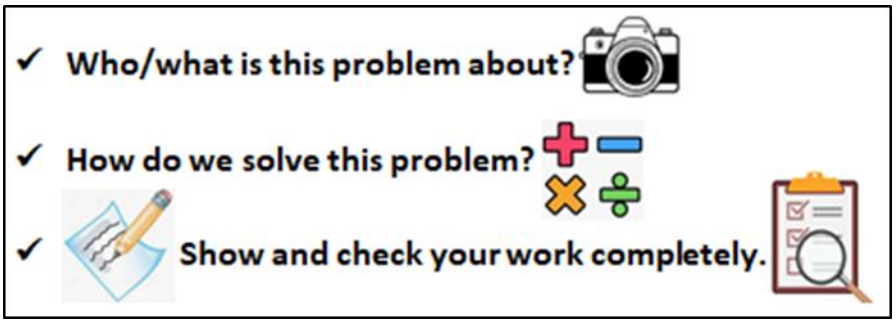
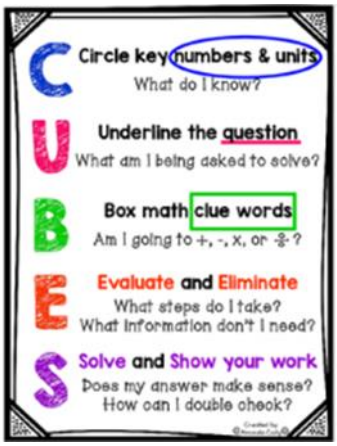
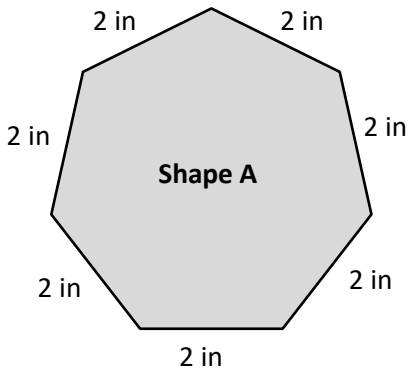
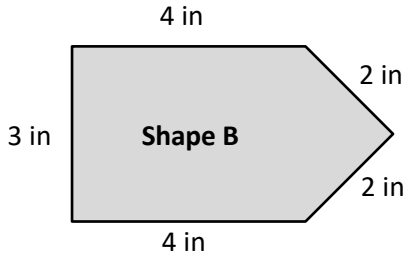




Application:

Which shape below has the greater perimeter? Explain your answer.





Shape _____ has the greatest perimeter because

_____

_____.

Name: _____ Week 33 Day 5 Date: _____

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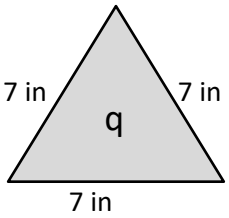
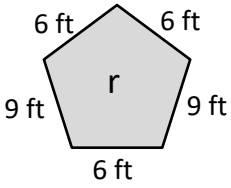
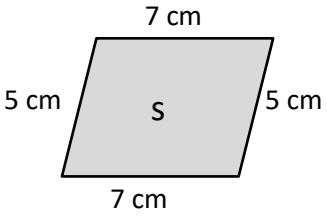
Exit Ticket:

1. **Find the perimeters of the shapes below. Include the units in your equations. Match the letter inside each shape to its perimeter to solve the riddle. The first one has been done for you.**

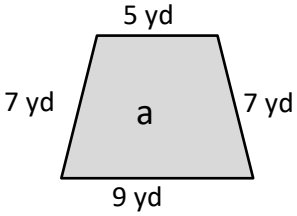


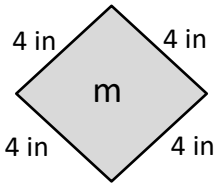


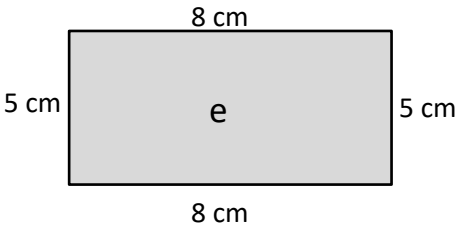


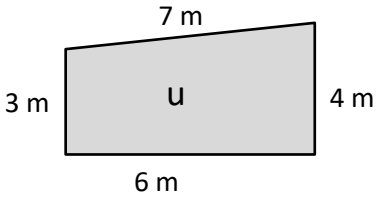
P = 7 in + 7 in + 7 in

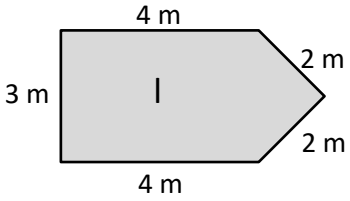
P = 21 in











What kind of meals do math teachers eat?

____	____	____	____	____	____		____	____	____	____	____ !
24	21	20	28	36	26		16	26	28	15	24