Name _____

5th Grade Modified Math Remote Learning Packet

Week 38

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.

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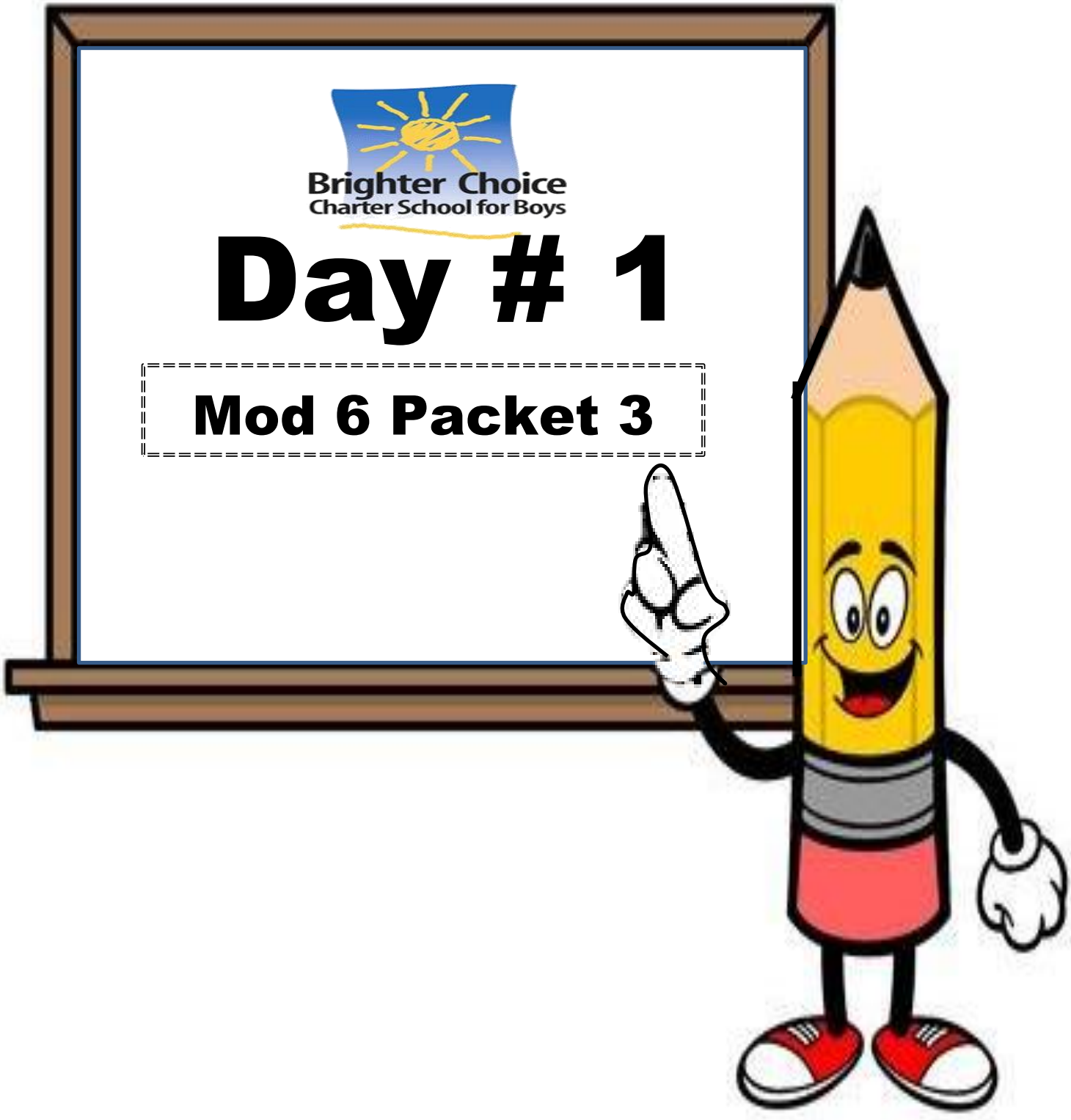
Day # 1

Mod 6 Packet 3



Name:_____ Week 38 Day 1 Date:_____

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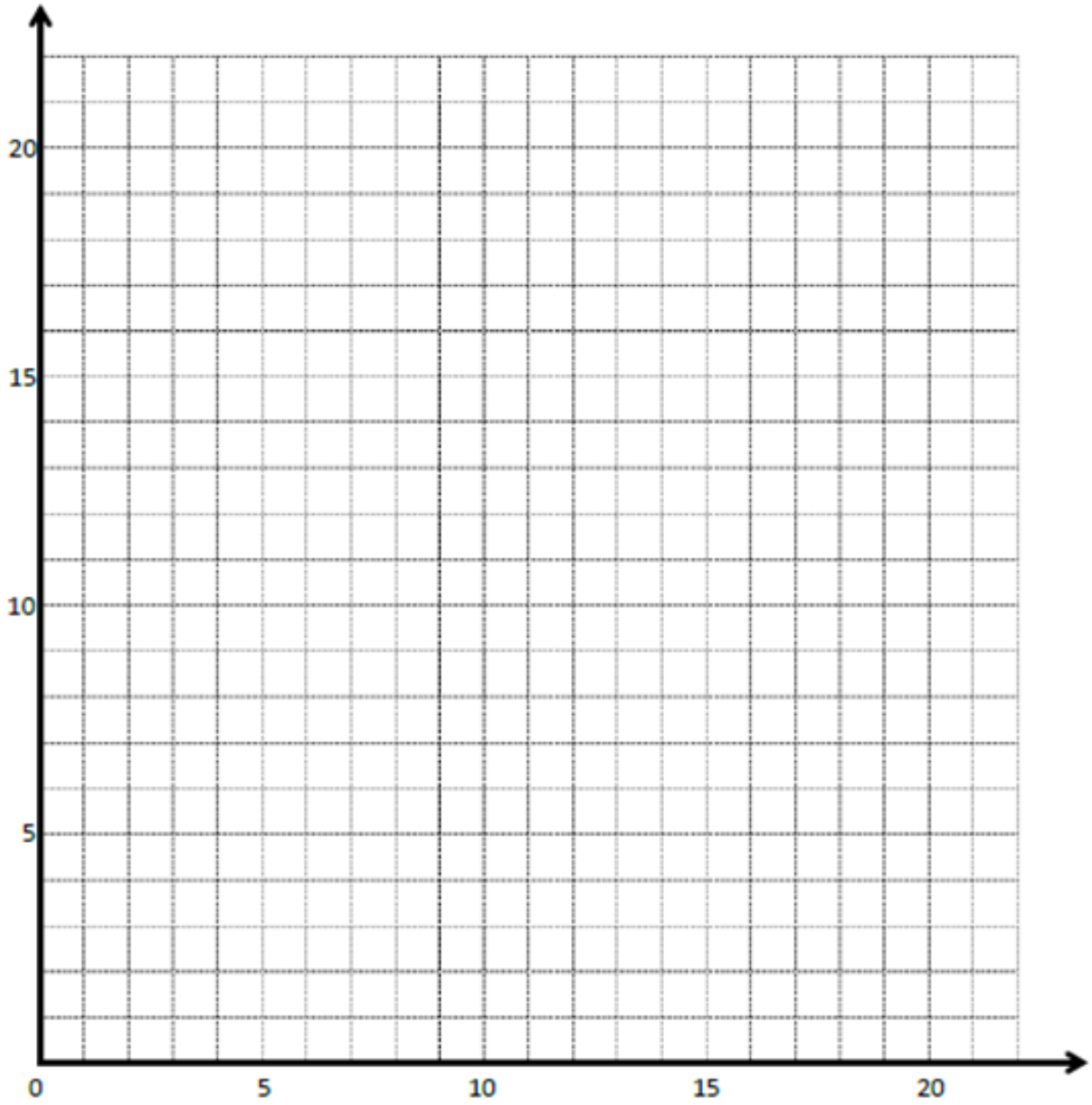
Do Now

Line g Rule: y is x tripled

x	y	(x, y)
1		
2		
5		
7		

Line h Rule: y is x divided by 3

x	y	(x, y)
3		
6		
12		
15		



Application Problem:

Complete the table for the given rules.

Line a

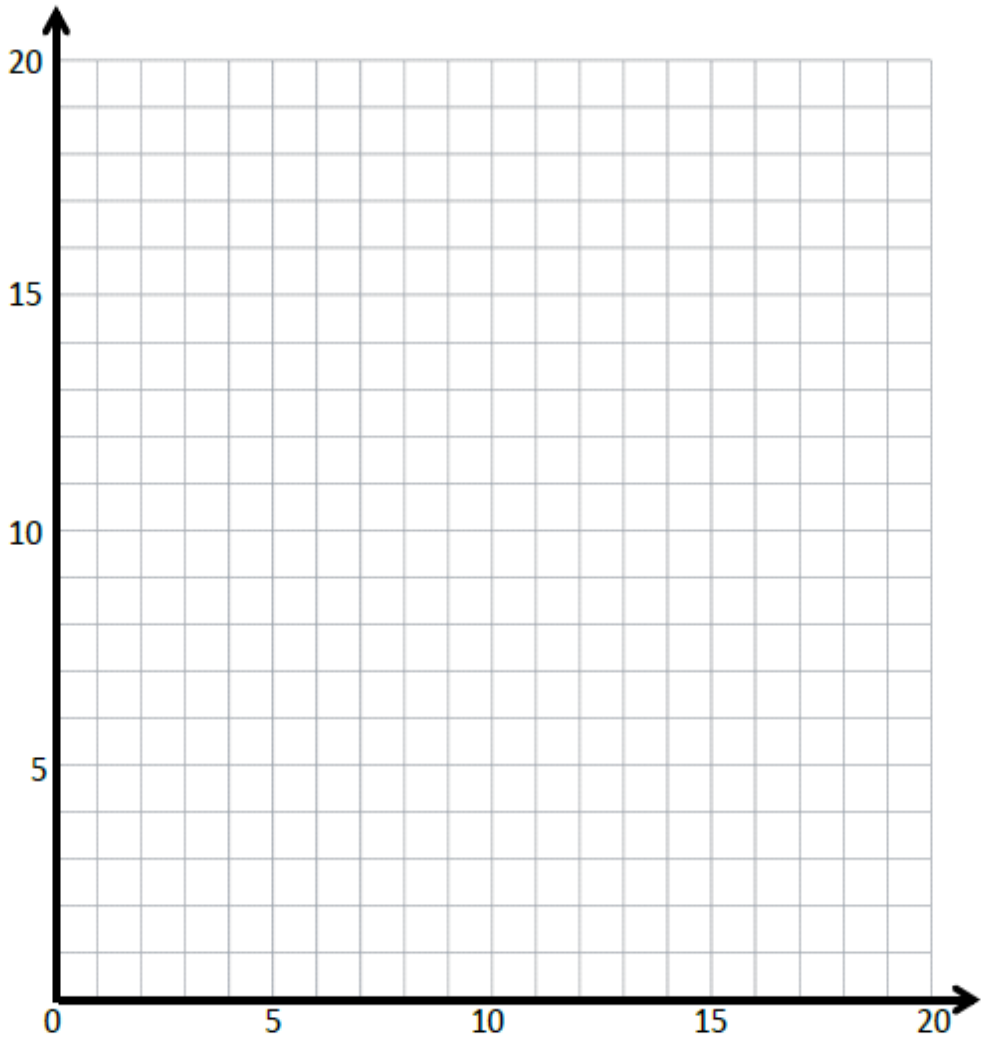
Rule: y is 1 more than x

x	y	(x, y)
1		
5		
9		
13		

Line b

Rule: y is 4 more than x

x	y	(x, y)
0		
5		
8		
11		



a. Construct each line on the coordinate plane above.

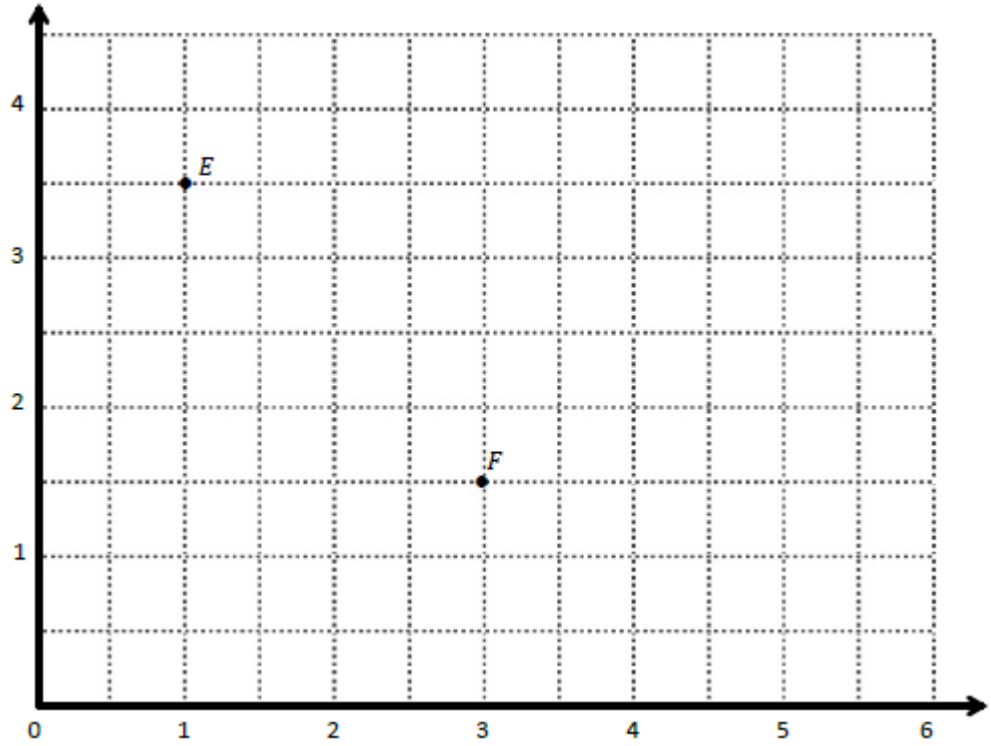
b. Compare and contrast these lines.

_____

_____

Problem 1:

Use the coordinate plane below to complete the following tasks.



a. Identify the locations of E and F.
   E: (_____, _____) F: (_____, _____)

b. Draw line EF.

c. Generate coordinate pairs for G and H, such that EF ll to GH.

d. Draw line GH.

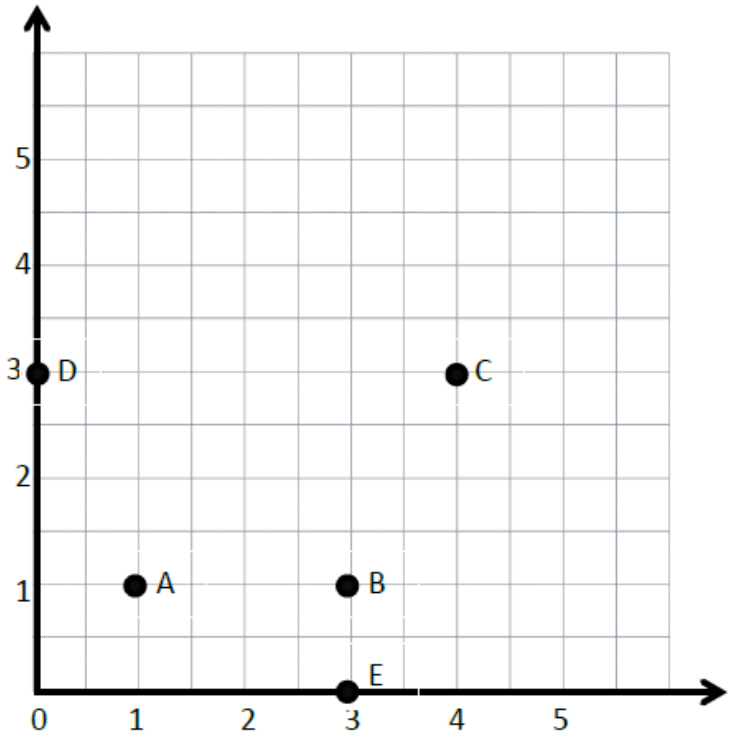
e. Explain the pattern you used when generating coordinate pairs for G and H.

_____

_____

Problem 2:

a.



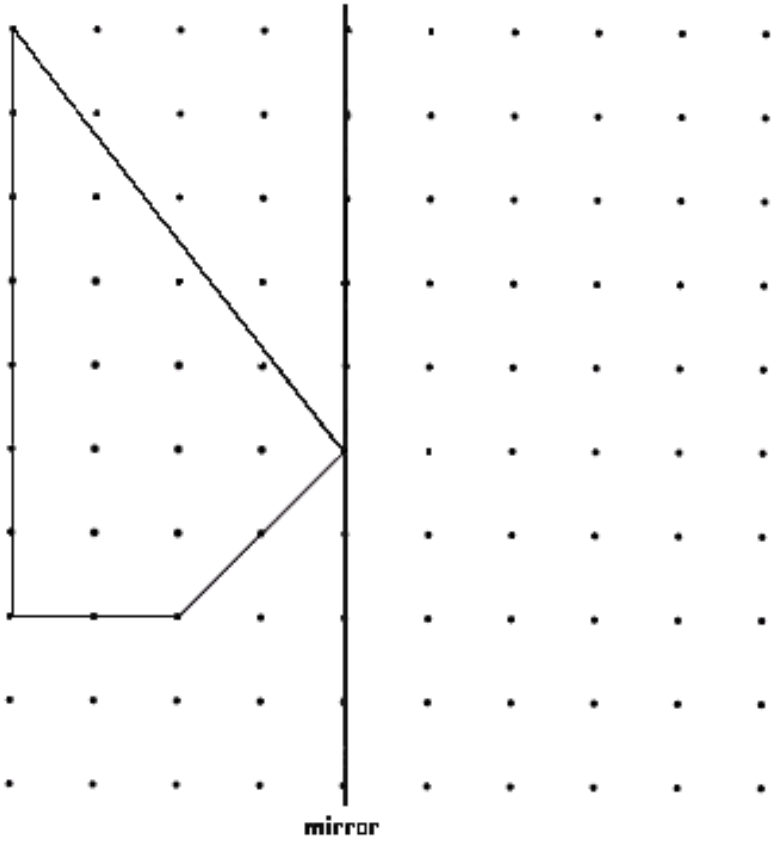
Write the points for the following:

A _____ **B** _____

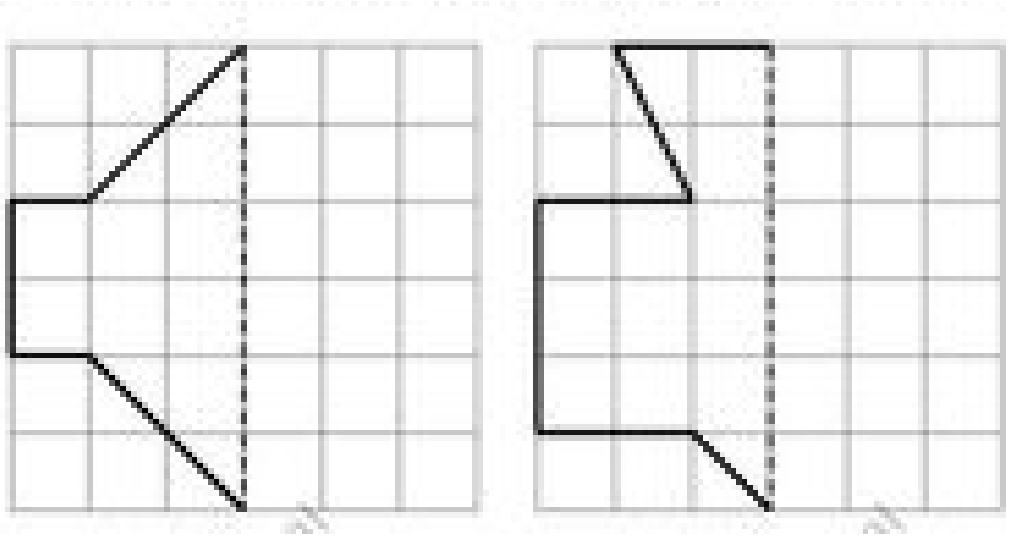
C _____ **D** _____

E _____

Problem 3:



Problem 4:



Problem 5:

1. Use the plane to the right to complete the following tasks.

   a. Draw a line t whose rule is y *is always 0.7.*

   b. Plot the points from Table A on the grid in order. Then, draw line segments to connect the points.

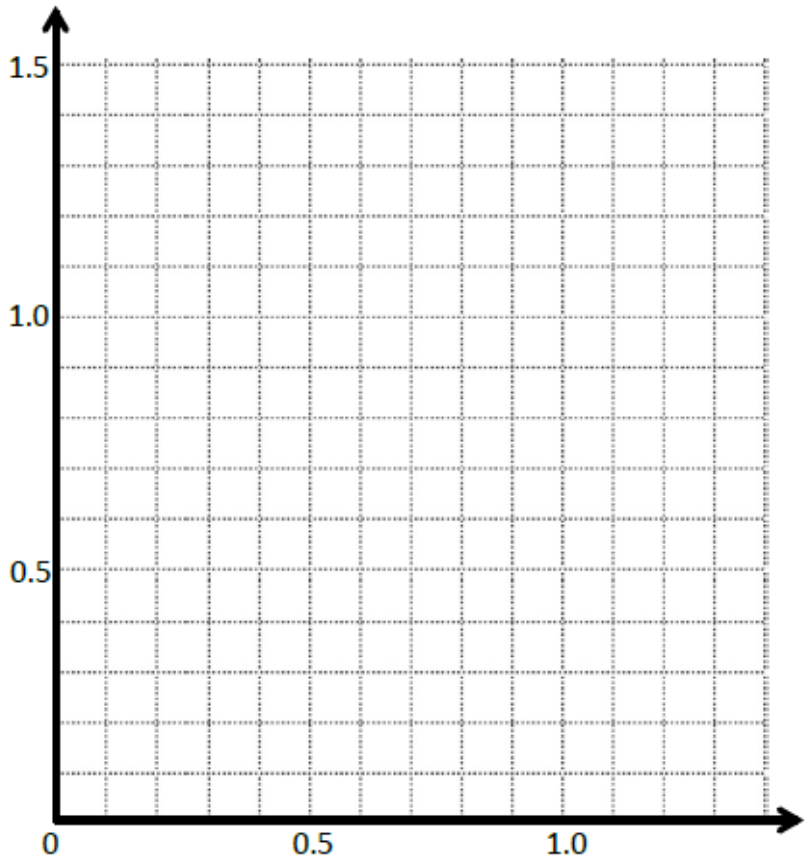


Table A

(x, y)
(0.1, 0.5)
(0.2, 0.3)
(0.3, 0.5)
(0.5, 0.1)
(0.6, 0.2)
(0.8, 0.2)
(0.9, 0.1)
(1.1, 0.5)
(1.2, 0.3)
(1.3, 0.5)

Table B

(x, y)

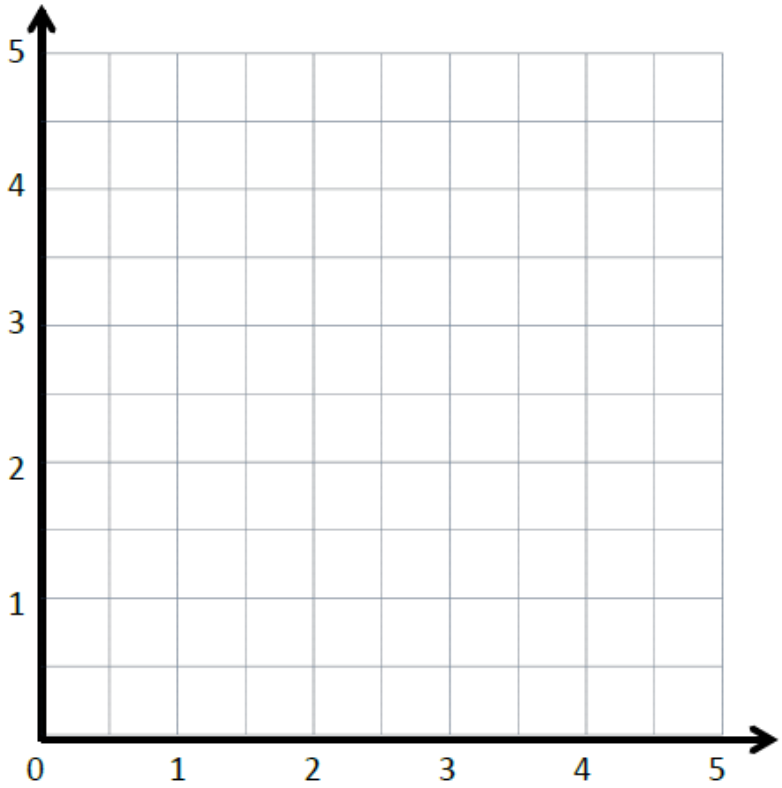
Complete the drawing to create a figure that is symmetric about line tt. For each point in Table A, record the corresponding point on the other side of the line of symmetry in Table B.

d. Compare the y-coordinates in Table A with those in Table B. What do you notice? _____

e. Compare the x-coordinates in Table A with those in Table B. What do you notice? _____

2. This figure has a second line of symmetry. Draw the line on the plane, and write the rule for this line. _____

Problem 6:



Point	x	y	(x, y)
D	$2\frac{1}{2}$	0	$(2\frac{1}{2}, 0)$
E	$2\frac{1}{2}$	2	$(2\frac{1}{2}, 2)$
F	$2\frac{1}{2}$	4	$(2\frac{1}{2}, 4)$

1. Plot D, E, and F on the grid.

2. Draw a straight line going through D, E , and F. Label it *m.*

3. Will this line ever intersect the y axis?_____

4. Finish this sentence Line *m* is _____to the y-axis.

5. Let's make one more line parallel to *m*. Let's label it *n*.

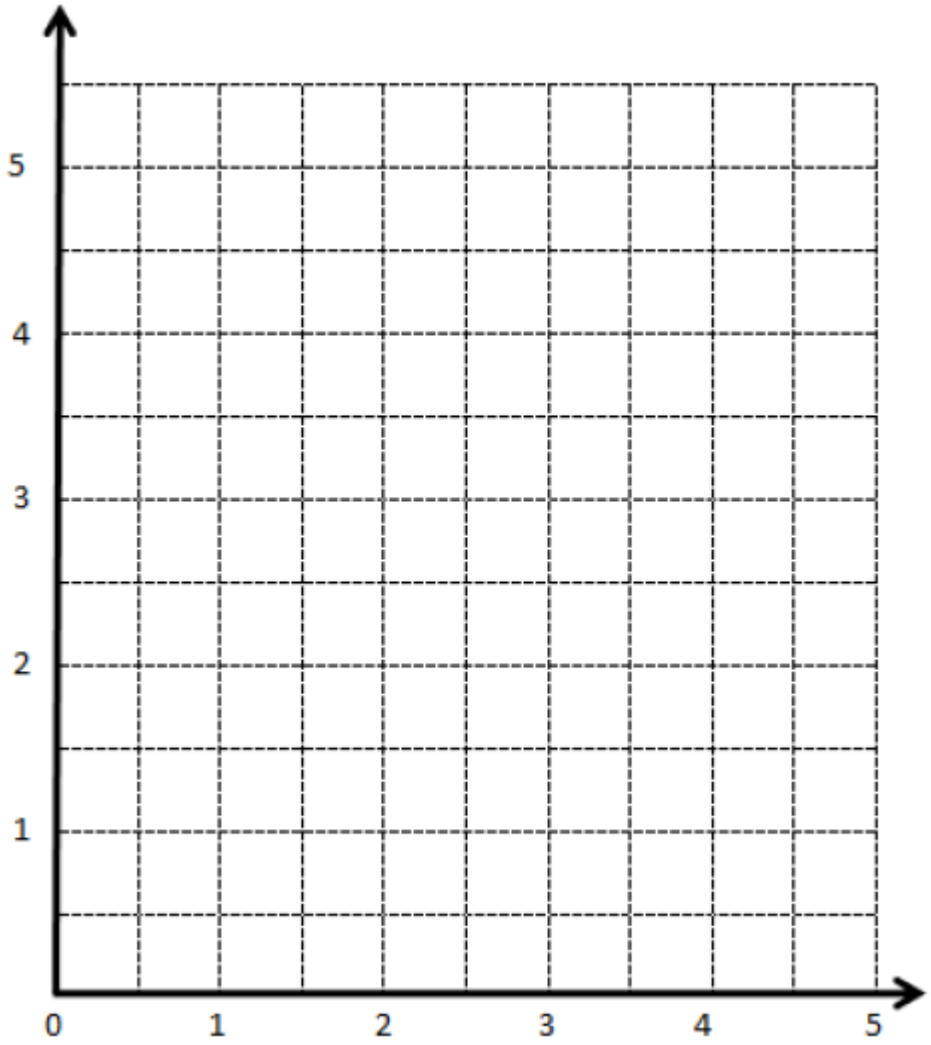
Problem 7:

a.

Point	x	y	(x, y)
A	0	0	$(0, 0)$
B	1	1	$(1, 1)$
C	2	2	$(2, 2)$
D	3	3	$(3, 3)$

b.

Point	x	y	(x, y)
G	0	3	$(0, 3)$
H	$\frac{1}{2}$	$3\frac{1}{2}$	$(\frac{1}{2}, 3\frac{1}{2})$
I	1	4	$(1, 4)$
J	$1\frac{1}{2}$	$4\frac{1}{2}$	$(1\frac{1}{2}, 4\frac{1}{2})$



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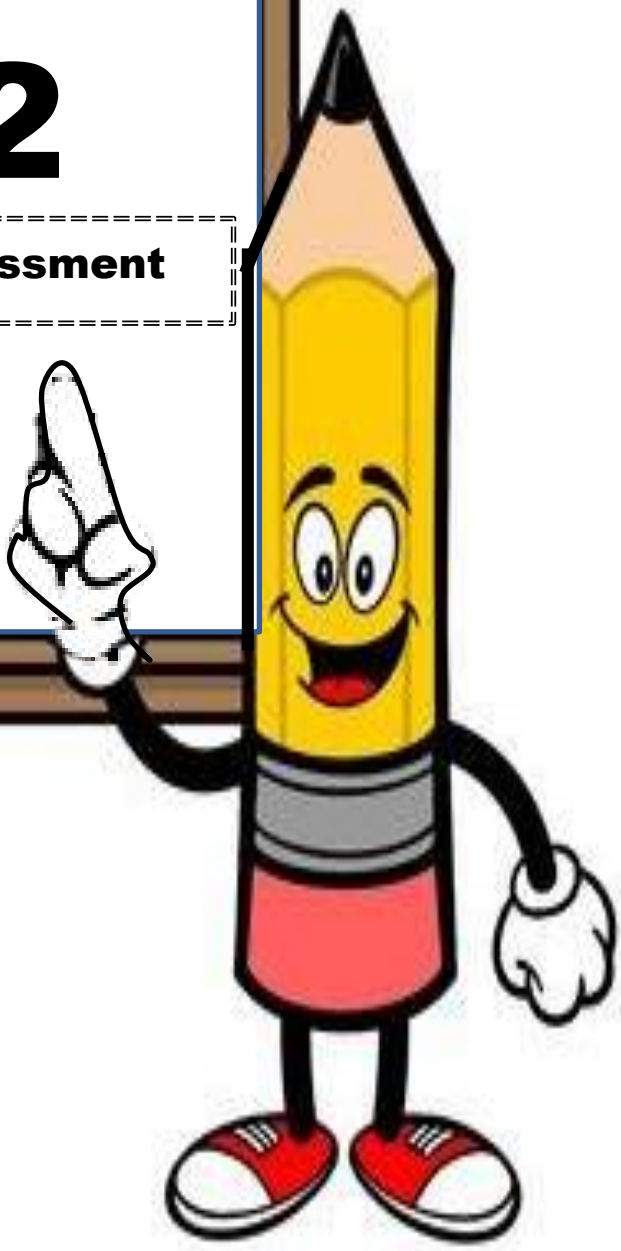
Day # 2

Mod 6 End of Mod SPA Assessment



Name:_____ Week 38 Day 2 Date:_____

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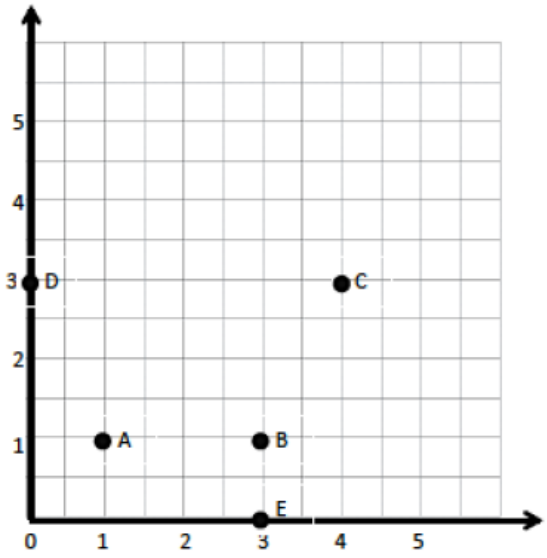
Mod 6 End of Module Assessment

Use the coordinate plane to answer questions 1 and 2. (5.G.1)



_____1. Which coordinate is located at $(0, 3)$

A. B

B. C

C. D

D. E

_____2. What are the coordinates for point B?

A. $(2, 1)$

B. $(3,0)$

C. $(3,1)$

D. $(1, 3)$

Use the coordinate plane to answer questions 3 and 4. (5.G.1)

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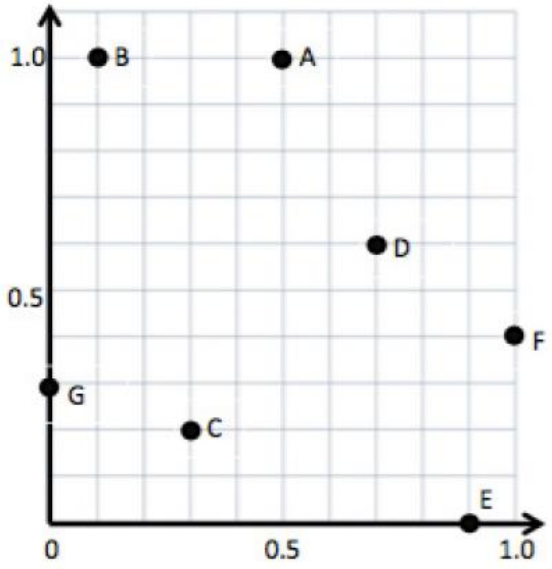


_____ 3. Point C is located at the folloiwng location.

a. (0, 0.3)

b. (0.3, 0.1)

c. (0.3, 0.2)

d. (0.5, 1.0)

_____ 4. Which two point have the same y-axis?

a. B and A

b. D and F

c. G and C

d. E and F

_____ 5. Which coordinate shows the rule **Y is equal to X**? (5.G.2)

a. (4, 5)

b. (1, 3)

c. (5, 4)

d. (10, 10)

_____6. Which coordinate <u>does not</u> show the rule **Y is one more than X**? (5.G.2)

a. (3, 4)

b. (11, 12)

c. (0, 2)

d. (1, 2)

7. What is the rule for the coordinate (1, 5)? (5.G.2)

a. Y is 5 more than X

b. Y is X times 4

c. Y is X doubled

d. Y is 4 more than X

8. What is the rule for the coordinate (2, 4)? (5.G.2)

a. Y is X tripled

b. Y is X doubled

c. Y is 2 less than X

d. Y is 2 more than X doubled

9. What **does not** show the rule **Y is 1 more than X doubled**? (5.G.2)

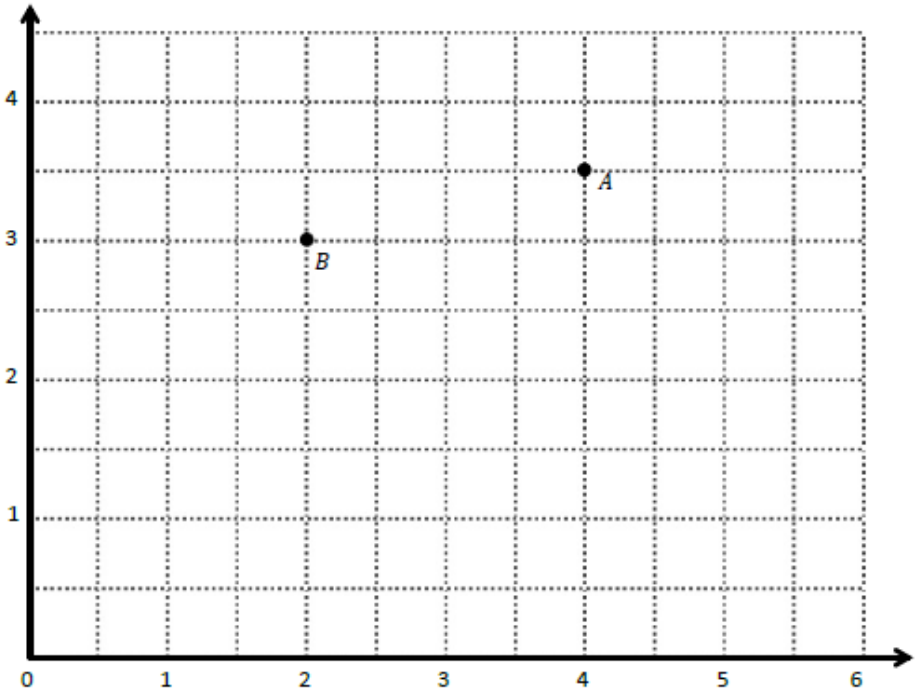
a. (3, 7)

b. (10, 21)

c. (4, 8)

d. (8, 17)

10. Use the coordinate plane below to complete the following tasks. (5.G.2)



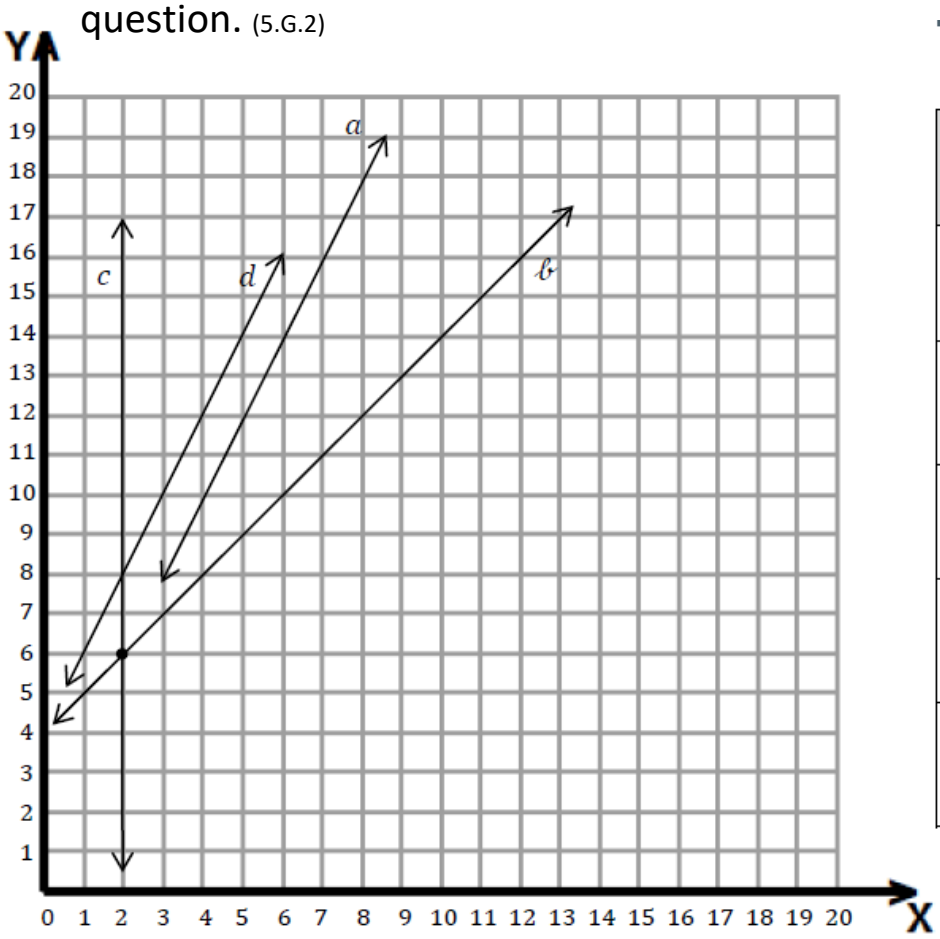
f. Identify the locations of A and B.
A: (_____, _____) B: (_____, _____)

g. Draw line AB.

h. Generate coordinate pairs for C and D, such that AB ll to CD.
C: (_____, _____) D: (_____, _____)

i. Draw line CD.

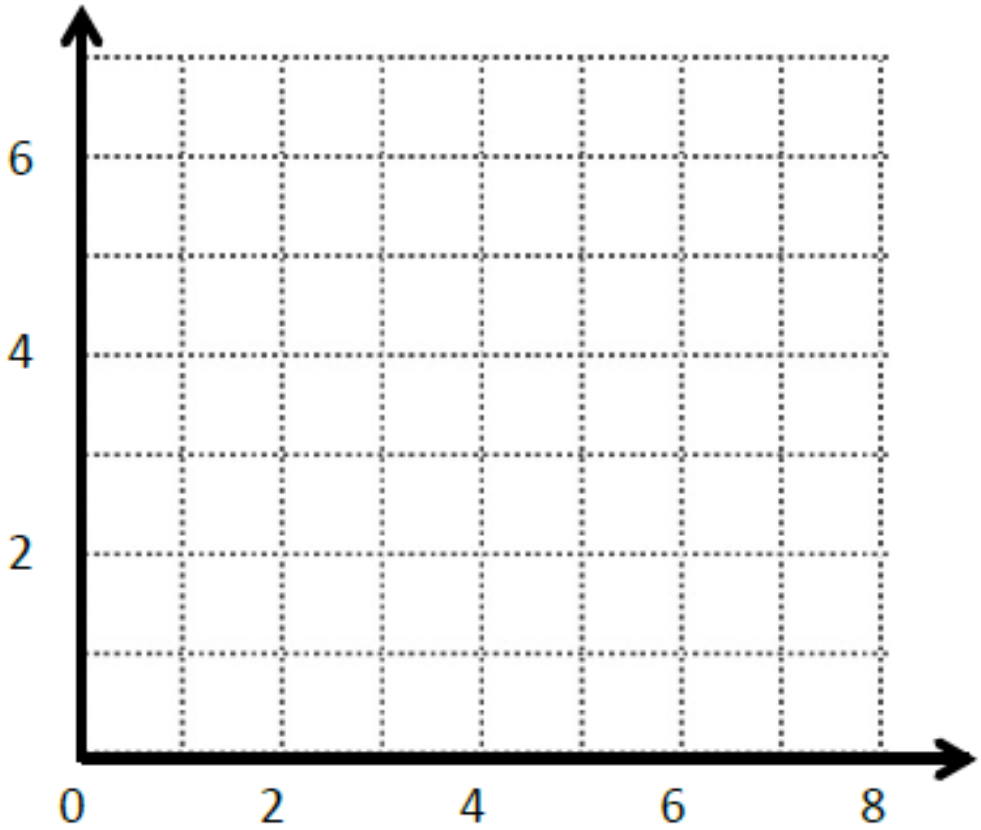
11. Complete the table for the rule ***multiply by 2 and then add 2*** for the values of x from 0 to 4. Then, use the coordinate plane to answer the question. (5.G.2)



x	y	(x, y)
0		
1		
2		
3		
4		

a. Give the coordinates for the intersection of lines b and c.
(_____, _____)

12. (5.G.2)



- Plot D at (2, 3) and plot E at (5, 2). Write the coordinates on the chart.

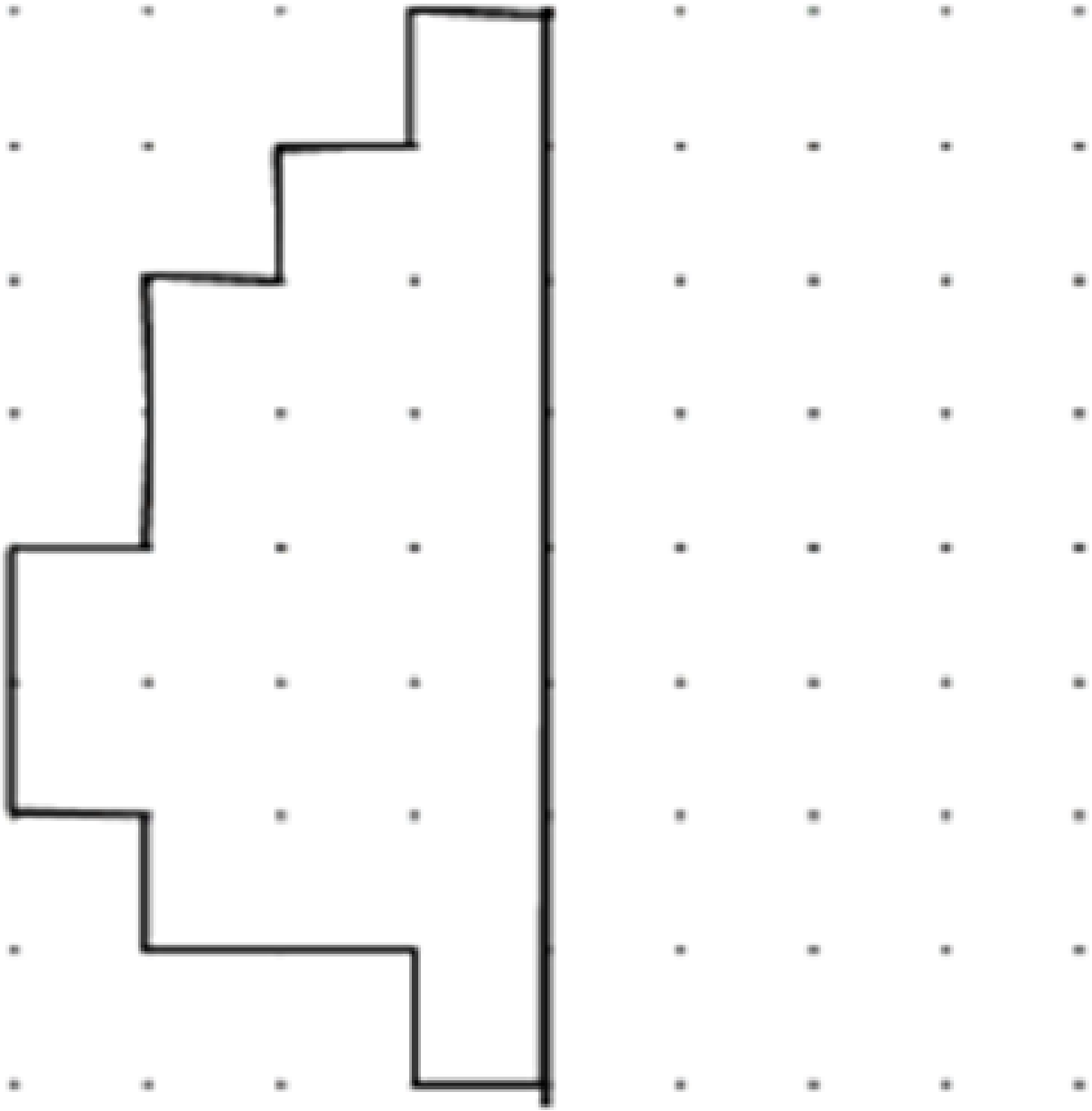
	(x, y)
D	
E	

- Draw a line to connect points D and E together.

- Explain the directions it takes to go from D to E.

_____

13. Complete the missing half of the shapes using the mirror line. (5.G.2)



14. (5.G.2)

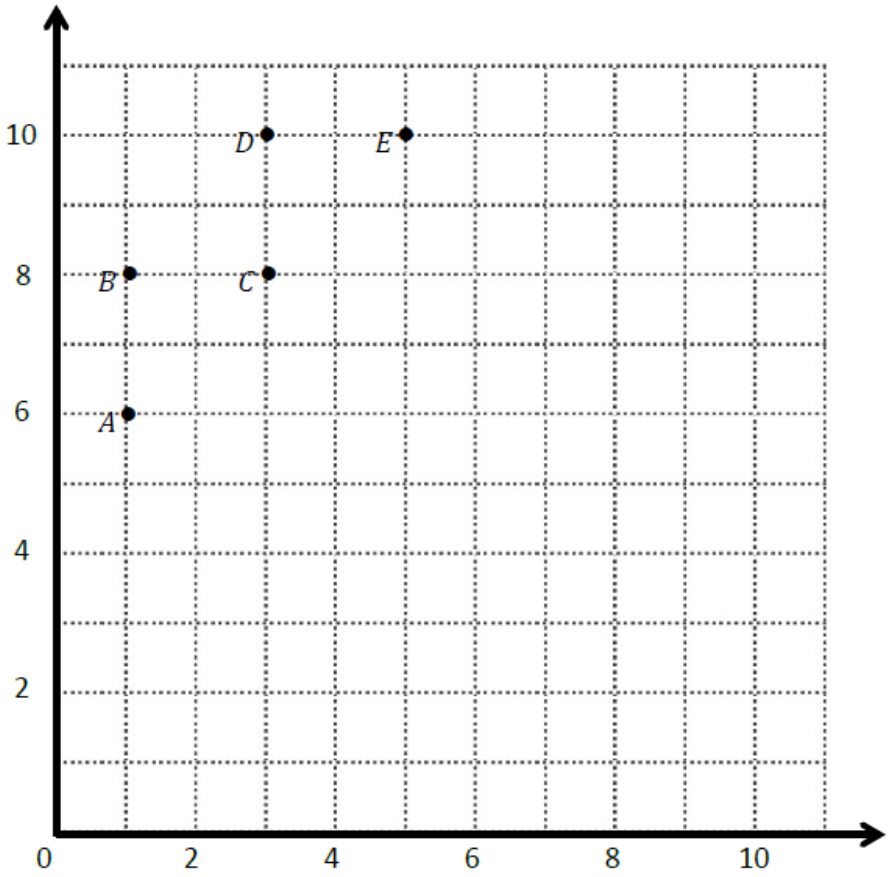


Table A

Point	(x, y)
A	
B	
C	
D	
E	

Table B

Point	(x, y)
I	
H	
G	
F	

- Record the coordinates of points A through E in Table A.
- Use your ruler to connect these points in alphabetical order.
- Use your ruler to construct a line of symmetry, labeled L, whose rule is ***x is always 5***.
- Make a reflective symmetric shape to the right of the line.
- Fill out Table B.
- Use your ruler to connect points I-F in alphabetical order.

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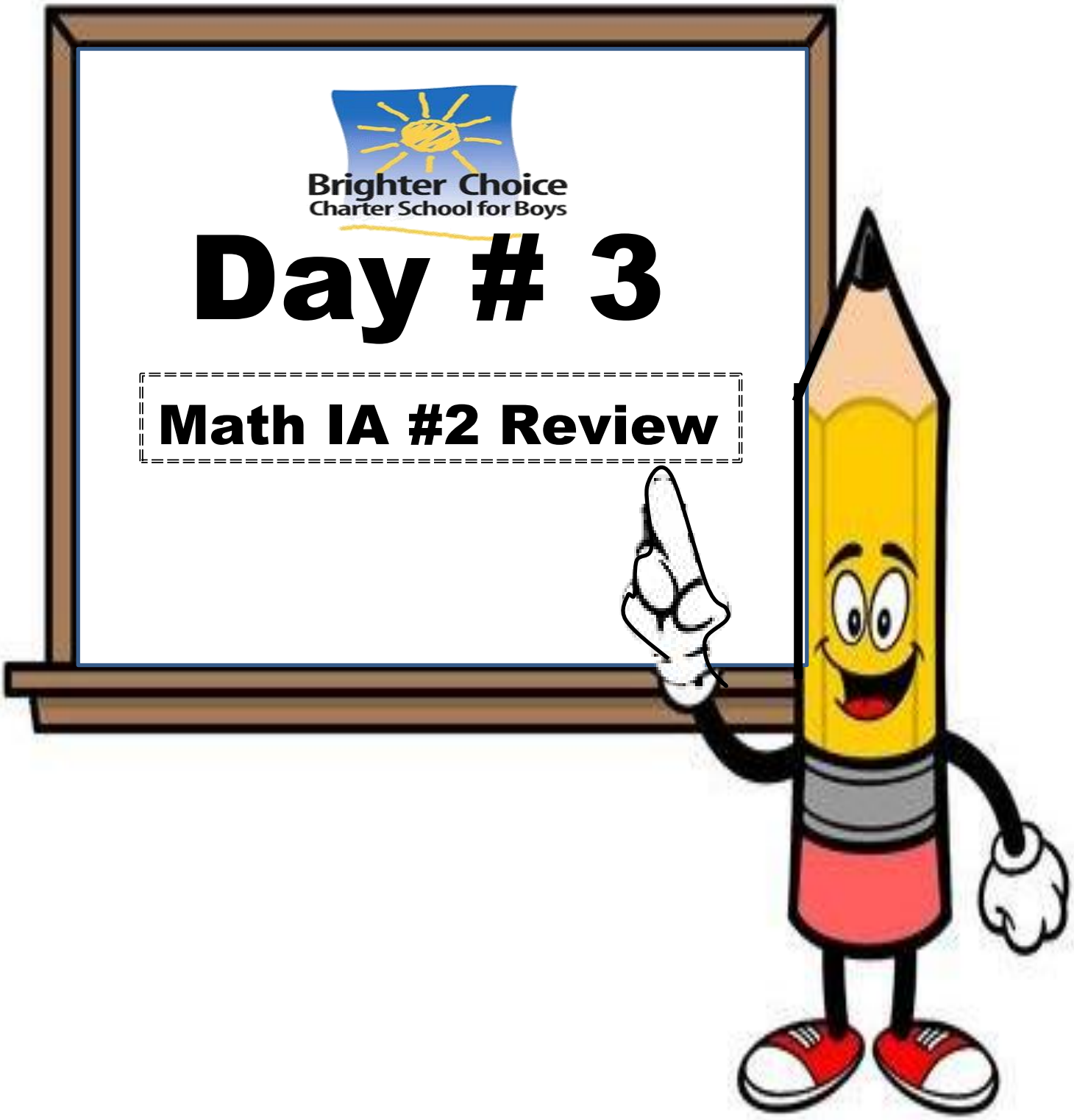
Day # 3

Math IA #2 Review



Name:_____ Week 38 Day 3 Date:_____

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Do Now

What is the product of $\frac{5}{8} \times \frac{3}{4}$?

A. $\frac{15}{32}$

B. $\frac{8}{32}$

C. $\frac{8}{12}$

D. $\frac{15}{12}$

1. What is the value of the expression $1{,}536 \div 23$?

A. $66\frac{18}{23}$

B. $66\frac{8}{23}$

C. $66\frac{1}{23}$

D. 67

2. Which number is equivalent to the expression $3 \times (19 - 7)$?

A. 15

B. 78

C. 36

D. 399

3. What is the value of the expression below?

$$3\frac{2}{3} - 1\frac{5}{6}$$

A. $1\frac{1}{3}$

B. $1\frac{5}{6}$

C. $2\frac{1}{6}$

D. $2\frac{1}{2}$

4. Which rule describes the relationship between *a* and *b* in the table below?

a	*b*
$\frac{1}{4}$	$\frac{4}{16}$
$\frac{2}{3}$	$\frac{8}{32}$

A. $a + 2 = b$

B. $a + 4 = b$

C. $a \times 2 = b$

D. $a \times 4 = b$

5. Melba wants to read a book that is 1,612 pages long. She wants to read an equal number of pages per day throughout the month of October. There are 31 days in October. How many pages will Melba read each day?

   A. 5

   B. 52

   C. 54

   D. 1,590

6. Mia buys 5 yards of ribbon to make bracelets. She uses 25 inches of ribbon to make a bracelet. How inches of ribbon does Mia have left?

   A. 90

   B. 100

   C. 125

   D. 155

7. Guests at a wedding had a choice of three main courses: fish, beef or chicken.

$\frac{2}{5}$ of the guests ordered fish
$\frac{3}{10}$ of the guests ordered beef
The rest of the guests ordered chicken

What fraction of the guests ordered chicken?

A. $\frac{1}{5}$

B. $\frac{3}{10}$

C. $\frac{7}{10}$

D. $\frac{11}{10}$

8. Light from the sun can travel a million miles in 5.368 seconds. How many seconds is that, rounded to the nearest tenth of a second?

A. 5.36 seconds

B. 5.37 seconds

C. 5.3 seconds

D. 5.4 seconds

9. Mark uses $\frac{1}{3}$ cups of sugar to make muffins and $\frac{2}{3}$ cups of sugar to make a cake. How much sugar did they use in all?

A. $\frac{2}{9}$ cup

B. $\frac{3}{6}$ cup

C. 1 cup

D. $1\frac{1}{3}$ cup

10. It rained for $\frac{2}{3}$ of the 21 days Jerry spent on vacation last summer. On how many days did it rain during Jerry's vacation?

A. 14

B. 15

C. 18

D. 20

11. The Cedar Glen Trail is $2\frac{7}{8}$ miles long and the Rocky Falls Trail is $1\frac{1}{2}$ miles long. How much longer is the Cedar Glen Trail than the Rocky Falls Trail?

A. $1\frac{3}{4}$ miles

B. $1\frac{3}{8}$ miles

C. $3\frac{8}{10}$ miles

D. $4\frac{3}{8}$ miles

12. Michelle is 52 inches tall. Her father is 6 foot 3 inches tall. Exactly how many inches taller is Michelle's father than her?

A. 13

B. 23

C. 21

D. 25

13. What statement describes the value of the expression below?

$$45 \times \frac{1}{2}$$

A. The value is greater than 45.

B. The value is less than 45.

C. The value is between 0 and 10.

D. The value is equal to 45.

14. The table below lists the capacity, in quarts, of four different fish tanks at a pet store.

FISH TANK CAPACITY

Fish Tank	Capacity (quarts)
Pacific	240
Fresh	15
Tropic	120
Bahama	60

Which fish tank has a capacity of 60 gallons?

A. Pacific

B. Fresh

C. Tropic

D. Bahama

15. Which expression is equivalent to $\frac{27}{8}$?

A. $27 + 8$

B. $27 - 8$

C. 27×8

D. $27 \div 8$

16. Which statement is true?

A. $\frac{1}{3} = \frac{2}{5}$

B. $\frac{1}{2} = \frac{2}{3}$

C. $\frac{5}{10} = \frac{1}{4}$

D. $\frac{3}{6} = \frac{5}{10}$

17. Which expression is equivalent to 62,340?

A. $(6 \times 10^5) + (2 \times 10^4) + (3 \times 10^3) + (4 \times 10^2)$

B. $(6 \times 10^5) + (2 \times 10^4) + (3 \times 10^3) + (8 \times 10^1)$

C. $(6 \times 10^4) + (2 \times 10^3) + (3 \times 10^2) + (4 \times 10^1)$

D. $(6 \times 10^3) + (2 \times 10^2) + (3 \times 10^2) + (4 \times 10^1)$

18. What is the sum of $\frac{5}{10} + \frac{6}{100}$?

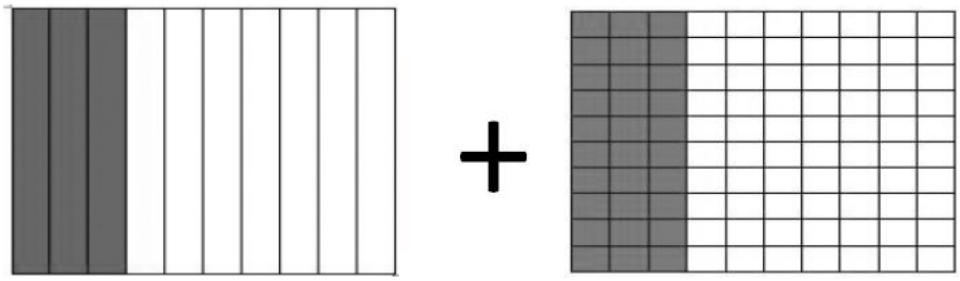
A. $\frac{11}{100}$

B. $\frac{11}{110}$

C. $\frac{56}{100}$

D. $\frac{30}{1000}$

19. The shaded parts of the models below each represent a fraction.



What is the value of the expression modeled by the decimal grids?

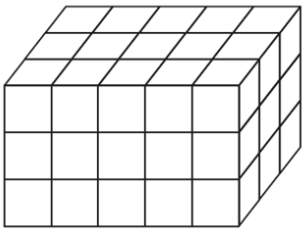
A. $\frac{6}{100}$

B. $\frac{60}{100}$

C. $\frac{33}{100}$

D. $\frac{30}{100}$

20. Find the volume.



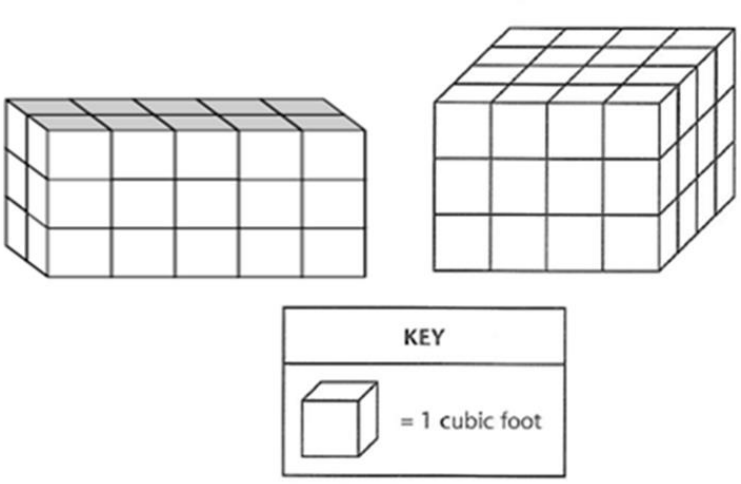
A. 9 cubic units

B. 11 cubic units

C. 30 cubic units

D. 45 cubic units

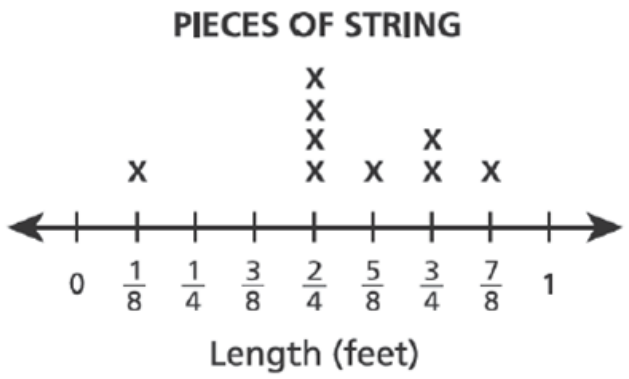
21. The two right rectangular prisms below have different volumes.



What is the total volume in cubic feet, of the two prisms?

What is the difference, in volume, in cubic feet, of the two volumes?

22. The line plot below shows the lengths of all the pieces of string Emma used for an art project. She cut all these pieces from one original piece of string.



How many pieces of string did she have that measured $\frac{2}{4}$ feet in length?

Answer: _____

What is the total length of the string that had a length of $\frac{2}{4}$ feet?

Show your work.

Answer: _____feet

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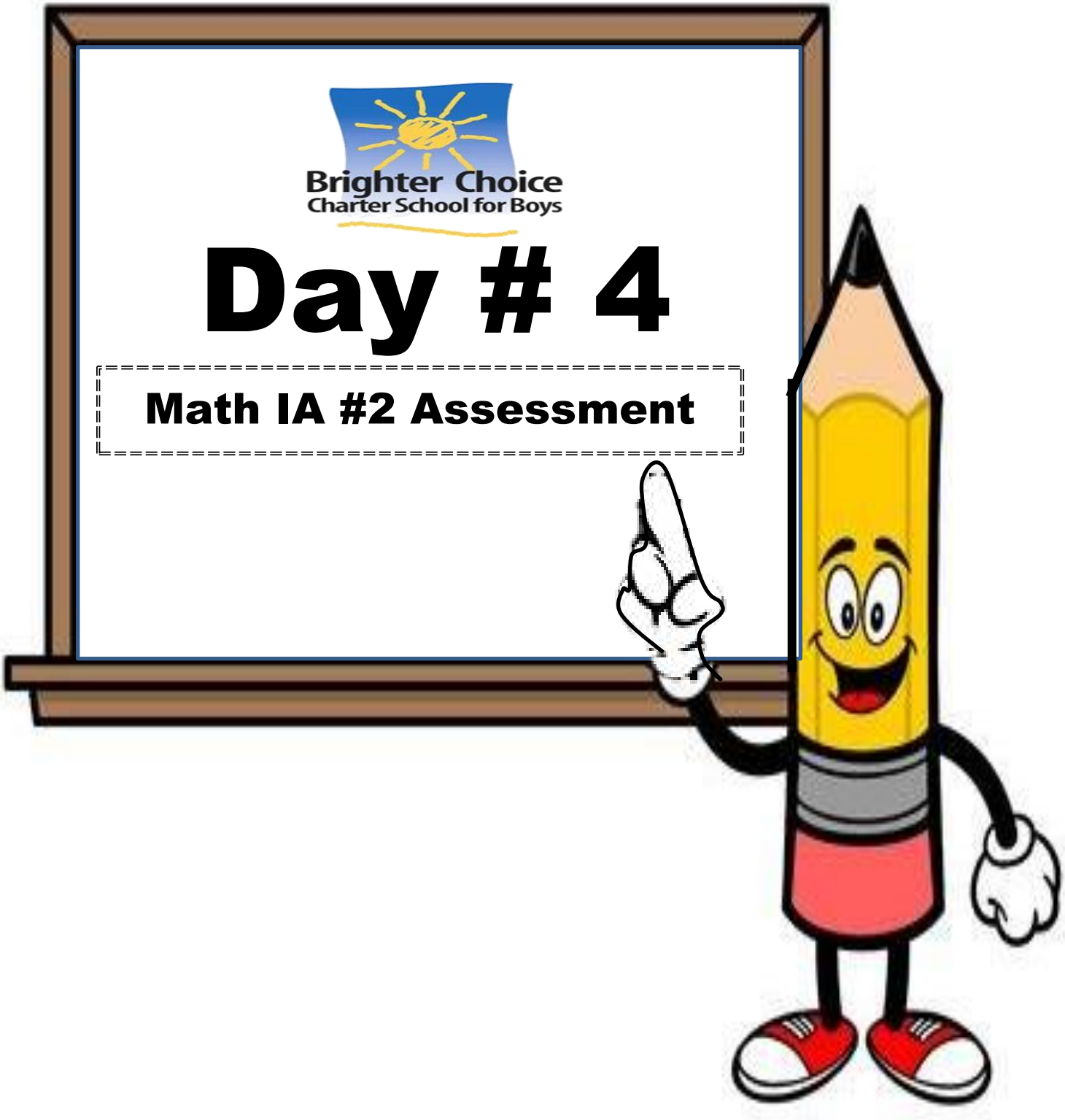
Day # 4

Math IA #2 Assessment



Name:_____ Week 38 Day 4 Date:_____

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Grade 5

Mathematics

Interim Assessment #2, 2020-2021

BOOK ONE

Brighter Choice Charter School

Print Name: _____

Print College: _____

TIPS FOR TAKING THE TEST

Here are some suggestions to help you do your best:

- Read each question carefully and think about the answer before choosing or writing your response**.**
- Be sure to read carefully all the directions in the test book.
- Plan your time.

Grade 5 Mathematics Reference Sheet

CONVERSIONS

1 mile = 5,280 feet
1 mile = 1,760 yards

1 pound = 16 ounces
1 ton = 2,000 pounds

1 cup = 8 fluid ounces
1 pint = 2 cups
1 quart = 2 pints
1 gallon = 4 quarts
1 liter = 1,000 cubic centimeters

FORMULAS

Right Rectangular Prism	$V = Bh$ or $V = lwh$

1. Jennifer walked a total of $6\frac{1}{2}$ miles over the weekend of Saturday and Sunday. On Saturday she walked $3\frac{2}{6}$ miles. How many miles did she walk on Sunday?

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

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

   C. $3\frac{3}{8}$

   D. $3\frac{5}{6}$

2. What is the sum of $\frac{2}{10} + \frac{6}{100}$?

   A. $\frac{8}{10}$

   B. $\frac{8}{100}$

   C. $\frac{26}{10}$

   D. $\frac{26}{100}$

3. Which statement describes the value of the expression below?

$$67\ x\frac{1}{6}$$

   A. The value is less than 67.

   B. The value is equal to 67.

   C. The value is greater than 67.

   D. The value is greater than 0 and less than 1.

4. A box contains 512 grams of cereal. One serving of cereal is 56 grams. How many servings of cereal does the box contain?

   A. $9\frac{1}{4}$

   B. $9\frac{1}{8}$

   C. $9\frac{8}{56}$

   D. $9\frac{8}{512}$

5. Which statement is false?

   A. $\frac{1}{5} = \frac{2}{10}$

   B. $\frac{1}{3} = \frac{4}{9}$

   C. $\frac{1}{5} = \frac{5}{25}$

   D. $\frac{1}{3} = \frac{3}{9}$

6. What is the value of the expression 3,972 ÷ 12?

   A. 372

   B. 336

   C. 331

   D. 306

7. Mr. Ramsey put tiles on his kitchen floor.
   - He tiles $\frac{1}{3}$ of the kitchen on Monday.
   - On Tuesday, he tiles $\frac{2}{5}$ of the kitchen.
   - On Wednesday, he tiles the rest of the kitchen.

What portion of the kitchen floor did he tile on Wednesday?

   A. $\frac{11}{15}$

   B. $\frac{5}{8}$

   C. $\frac{4}{8}$

   D. $\frac{4}{15}$

8. What is the value of the expression $\frac{2}{5} + \frac{3}{7}$?

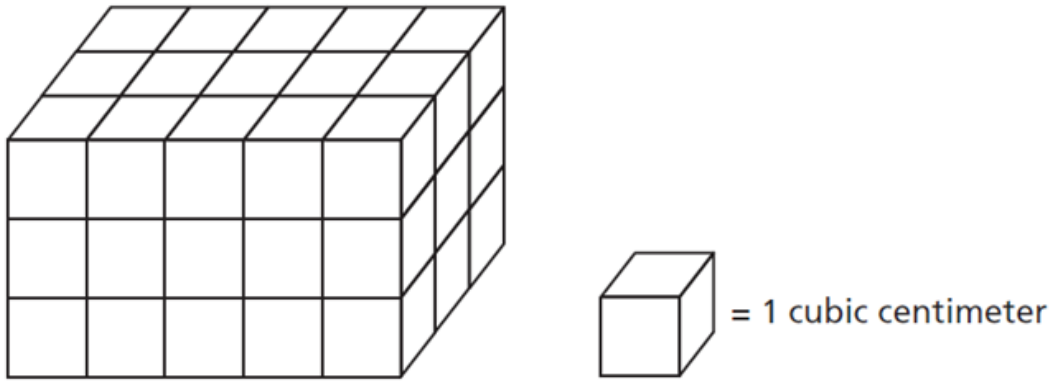
A. $\frac{29}{25}$

B. $\frac{6}{35}$

C. $\frac{5}{12}$

D. $\frac{5}{25}$

9. What is the volume, in cubic centimeters, of the figure below?



A. 15

B. 24

C. 30

D. 45

10. The table below lists the capacity, in quarts, of four swimming pools at a pool store.

Pool	Capacity (quarts)
Pink	240
Green	15
Blue	120
Black	60

Which pool has a capacity of 60 gallons?

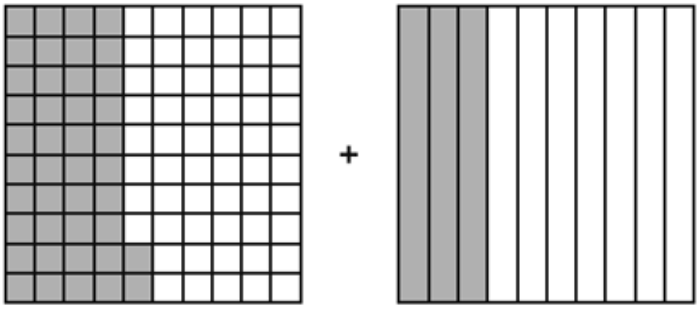
A. Pink

B. Green

C. Blue

D. Black

11. The shaded parts of the models below each represent a fraction.



What is the sum of the fractions?

A. $\frac{45}{110}$

B. $\frac{65}{110}$

C. $\frac{70}{100}$

D. $\frac{72}{100}$

12. Brian evaluated the expression below.

$$42 + (4 \times 4)$$

Which number shows his correct solution?

A. 52

B. 58

C. 62

D. 68

13. What is the product of $\frac{5}{10} \times \frac{4}{10}$?

A. $\frac{20}{10}$

B. $\frac{20}{100}$

C. $\frac{1}{10}$

D. $\frac{25}{100}$

14. Which expression is equivalent to $\frac{3}{5}$?

A. $3 \; x \; 5$

B. $3 + 5$

C. $3 \div 5$

D. $3 - 5$

15. Janet's father is 6 feet 4 inches tall. Janet is 43 inches tall. Exactly how many inches taller is Janet's father than Janet?

A. 19

B. 21

C. 25

D. 33

16. Each day last week, Ms. Wilson walked $\frac{3}{4}$ mile. What is the total distance, in miles that Ms. Wilson walked in 4 days?

A. 3

B. 4

C. 1

D. 2

17. What is 0.182 rounded to the nearest tenths place?

A. 0.2

B. 0.19

C. 0.18

D. 0.184

18. Which rule describes the relationship between *a* and *b* in the table below?

A	***b***
$\frac{1}{2}$	$\frac{3}{6}$
$\frac{2}{8}$	$\frac{6}{24}$

A. $a + 2 = b$

B. $a \times 2 = b$

C. $a + 3 = b$

D. $a \times 3 = b$

19. Mount McKinley is about 26,029 feet tall. Which expression is equivalent to this number?

A. $(2 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + 9$

B. $(2 \times 10^4) + (6 \times 10^3) + (2 \times 10^1) + 9$

C. $(2 \times 10^4) + (6 \times 10^3) + (2 \times 10^2) + (9 \times 10^1)$

D. $(2 \times 10^5) + (6 \times 10^4) + (2 \times 10^2) + (9 \times 10^1)$

Grade 5

Mathematics

Interim Assessment #1, 2020-2021

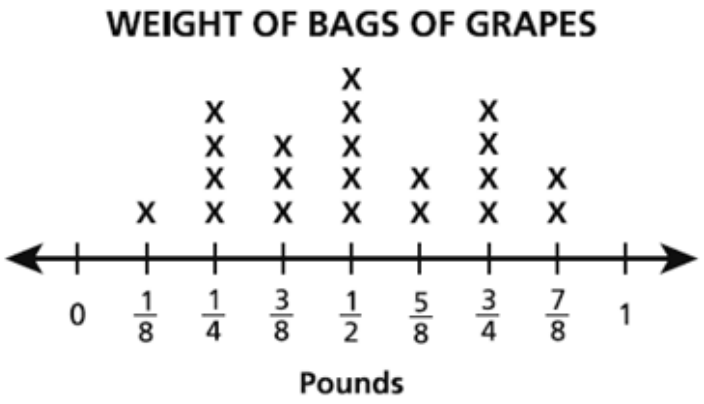
BOOK TWO

Brighter Choice Charter School

Print Name: _____

Print College: _____

20. The line plot shows the number of bags, grouped by weight, to the nearest $\frac{1}{8}$ pound.



How many bags of grapes had a weight of $\frac{3}{8}$ pound?

Answer _____bags

What is the total weight of the grapes in the bags that had a weight of $\frac{3}{8}$ pound?

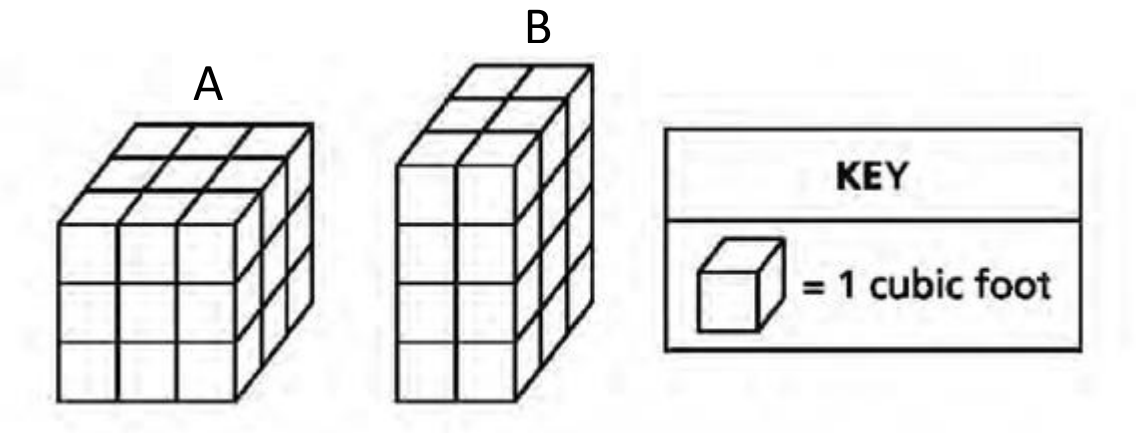
Show your work.

Answer _____pound(s)

21. A library had 6,422 music CD's on 26 shelves. If the same number of CD's were stored on each shelf, how many CD's were stored on each shelf?

Answer _____CD's

22. The two right rectangular prisms below have different volumes.



Find the volume of each prism.

A = _____cubic feet B = _____ cubic feet

What is the difference, in volume, in cubic feet, of the two volumes?

Answer _____cubic feet

23. Samson asked the students in his class to name their favorite sport. He made this list to display the results.

Students	Favorite Sport
$\frac{1}{3}$	Basketball
$\frac{1}{8}$	Soccer
$\frac{5}{12}$	Baseball

The rest of the class named basketball as their favorite sport. What fraction of the students in the class named basketball as their favorite sport?

Show your work.

Answer _____students

24. Olga decorates blankets with ribbon. She has 12 yards of ribbon. She uses 22 feet of the ribbon to decorate blankets. After she decorates the blankets, how many feet of ribbon remain?

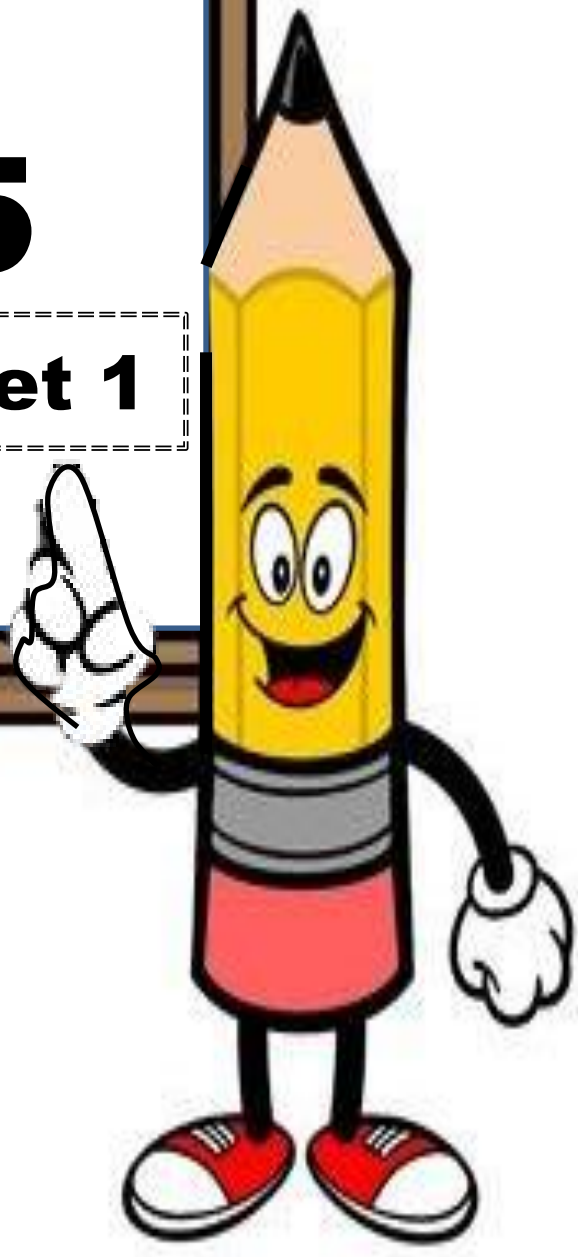
Show your work.

Answer _____feet

Brighter Choice
Charter School for Boys

Day # 5

End of Year Packet 1

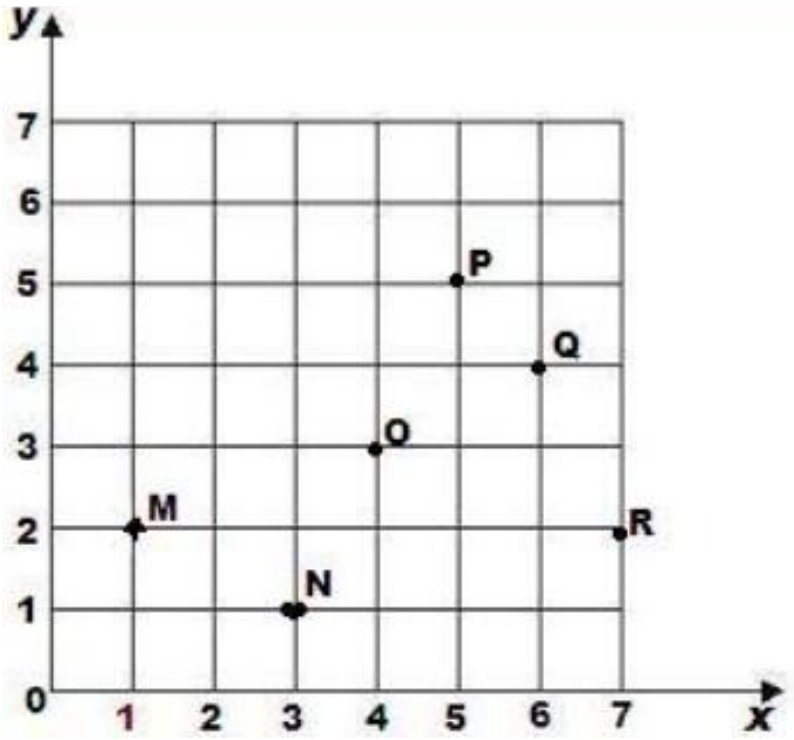


Name:_____ Week 38 Day 5 Date:_____

BCCS-Boys Stanford MIT

Do Now

Write the coordinate of the following points.



M _____ **N** _____ **O** _____

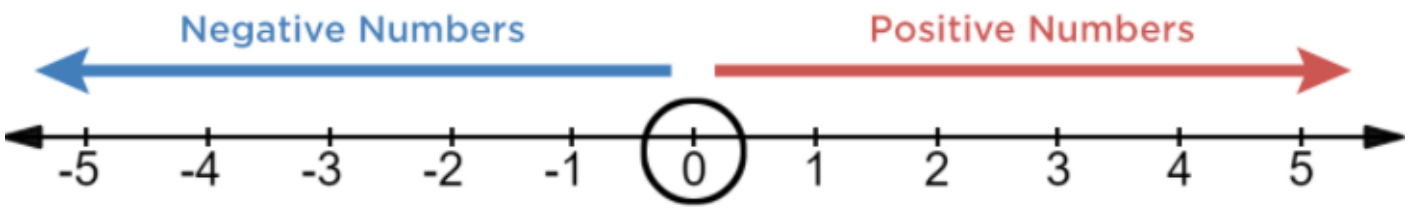
P _____ **Q** _____ **R** _____

Input Activity

Key Terms:

Positive Numbers – numbers _____ than _____

Negative Numbers – numbers _____ than _____



Quadrant 1 – (_____ number, _____ number)

Ex: (___, ___)

Quadrant 2 – (_____ number, _____ number)

Ex: (___, ___)

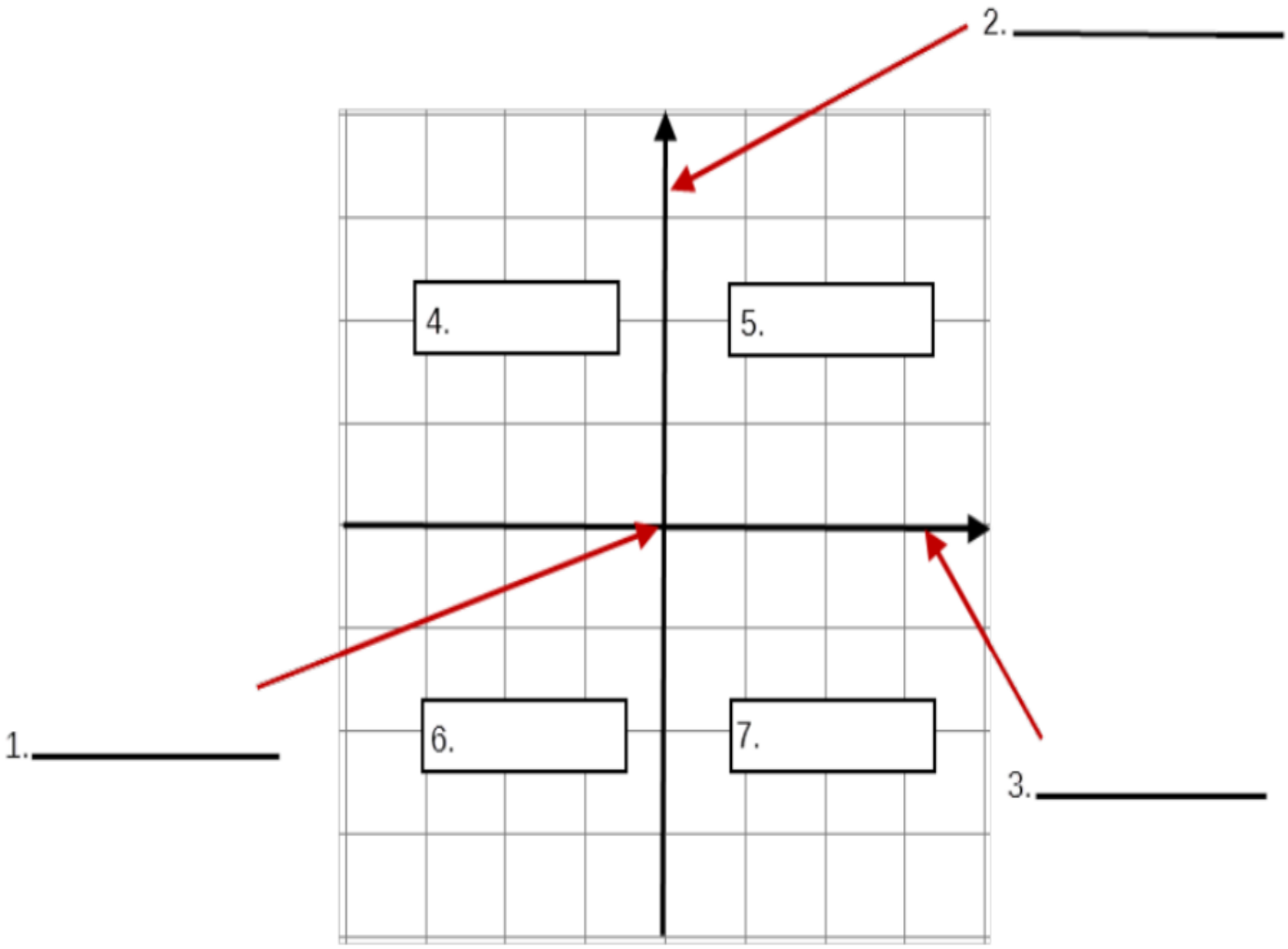
Quadrant 3 – (_____ number, _____ number)

Ex: (___, ___)

Quadrant 4 – (_____ number, _____ number)

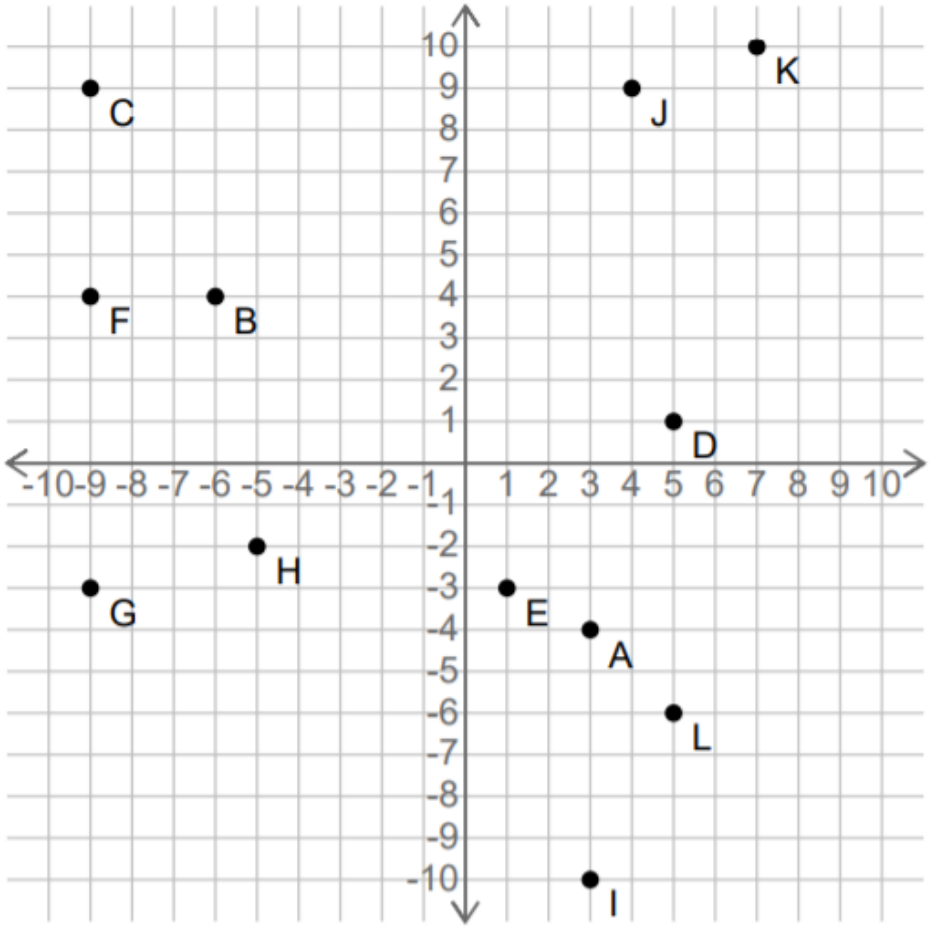
Ex: (___, ___)

Coordinate Plane



Problem 1

Write the coordinates of the following points.



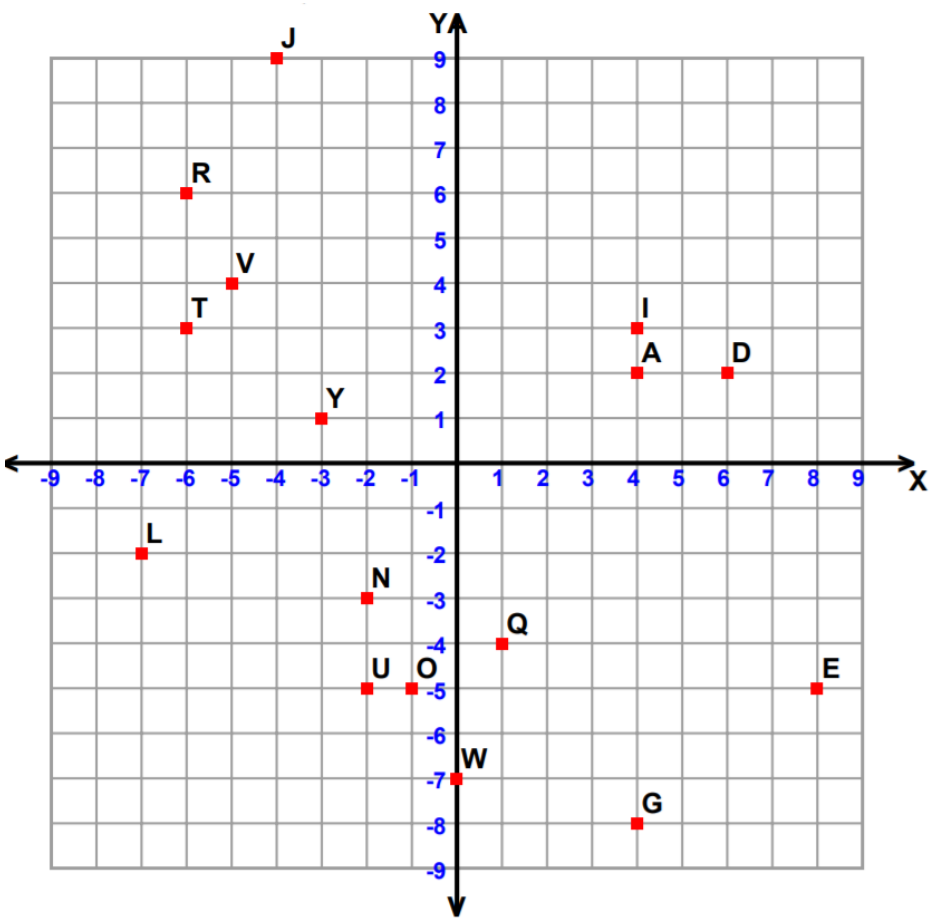
A = _____ B = _____

D = _____ E = _____

G = _____ H = _____

J = _____ K = _____

Problem 2



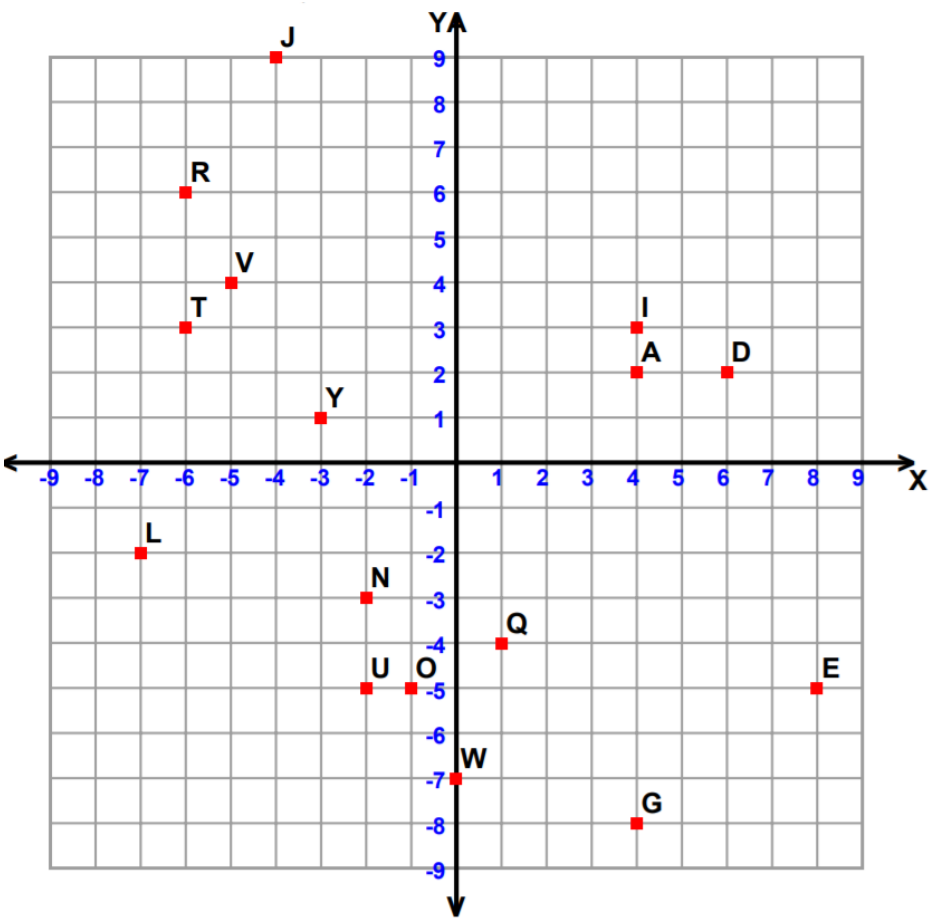
Tell what point is located at each ordered pair.

(8, 5) _____ **(1, -4) _____** **(6, 2) _____**

(-2, -5) _____ **(4, 2) _____** **(-7, -2) _____**

(4, -8) **(-1, -5) _____**

Problem 3



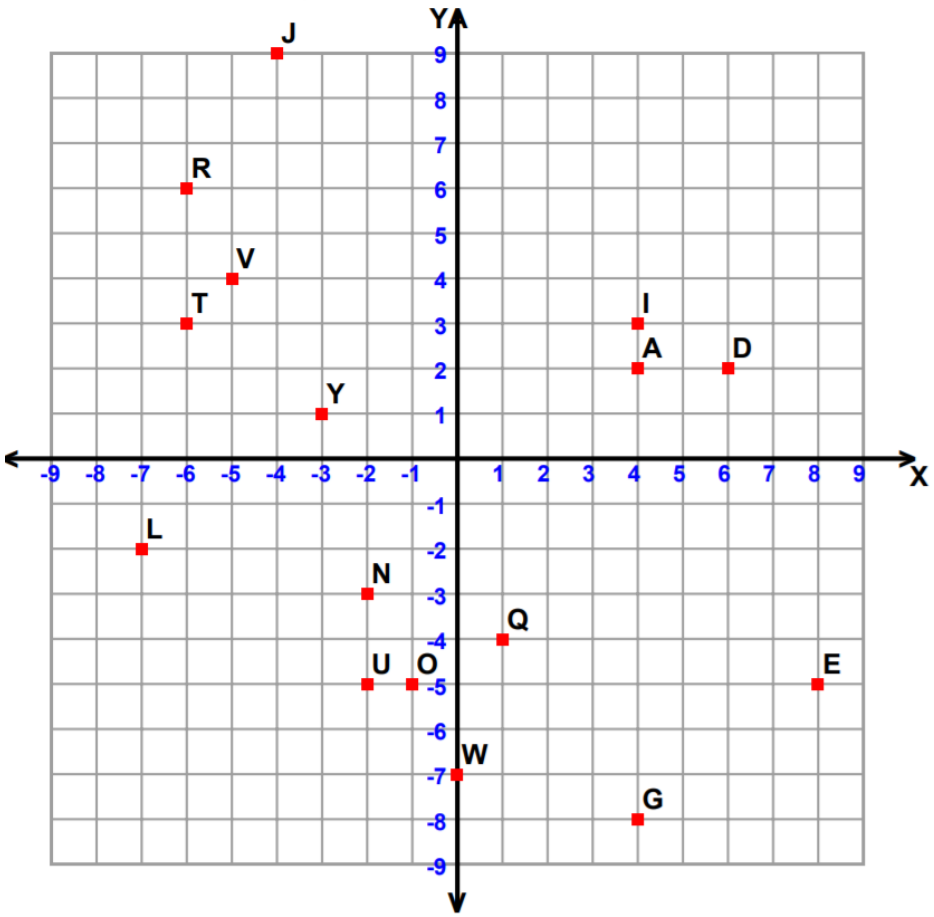
Write the ordered pair for each given point.

Y _____ J _____ R _____

T _____ N _____ W _____

I _____ V _____

Problem 4



Plot the following points on the coordinate grid.

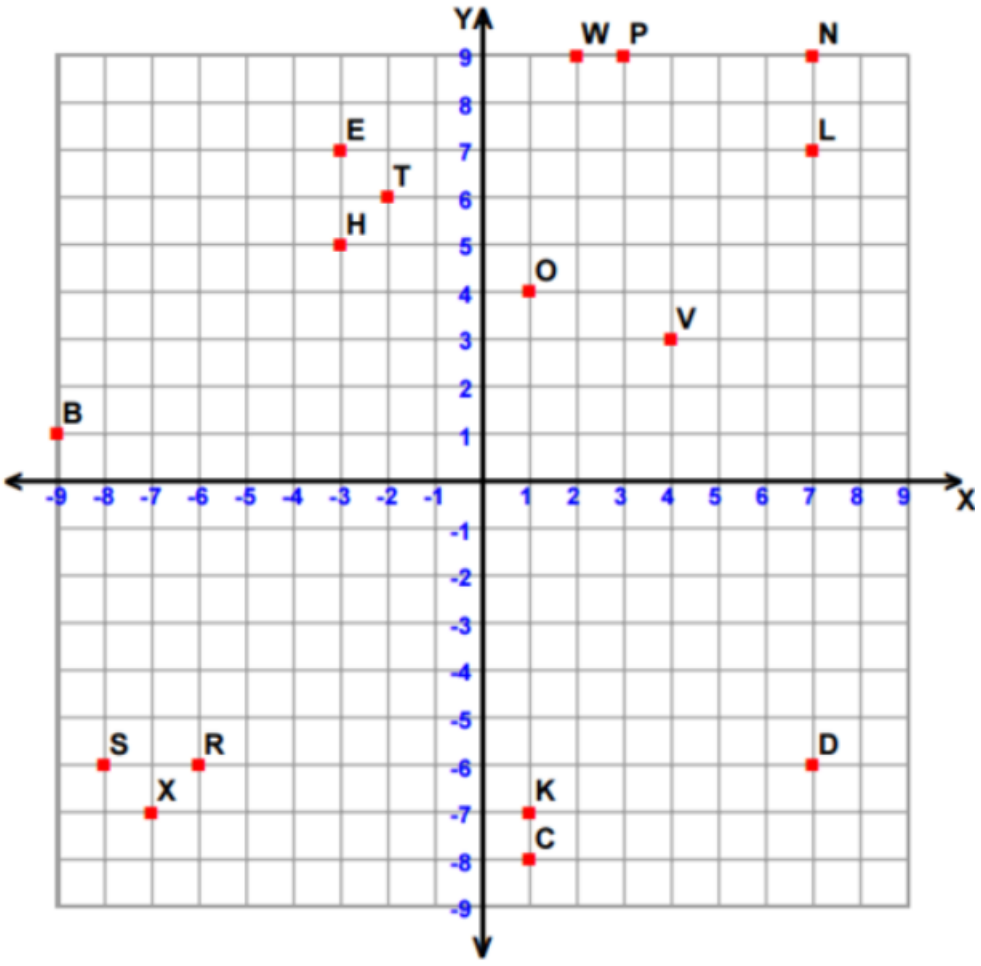
Z (2, 8) **S (0, -8)** **F (-5, -2)**

M (4, 6) **B (-5, 5)** **K (-4, -2)**

P (-6, -4) **H (-9, -9)**

Problem 5

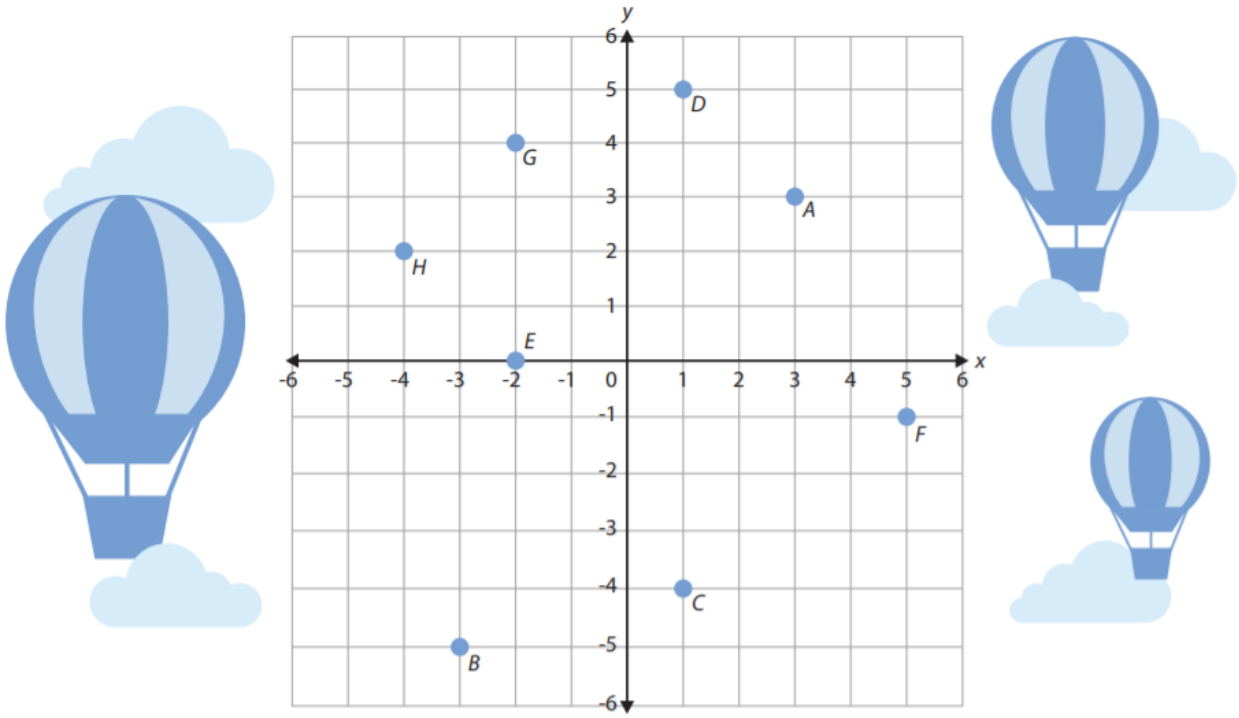
Write the ordered pair for each point shown.



X _____ C _____ L _____

B _____ V _____ K _____

Problem Set



Write the ordered pair for each point on the coordinate plane.

A (___ , ___)	*B* (___ , ___)	*C* (___ , ___)	*D* (___ , ___)
E (___ , ___)	*F* (___ , ___)	*G* (___ , ___)	*H* (___ , ___)

Plot and label the following points on the coordinate plane above.

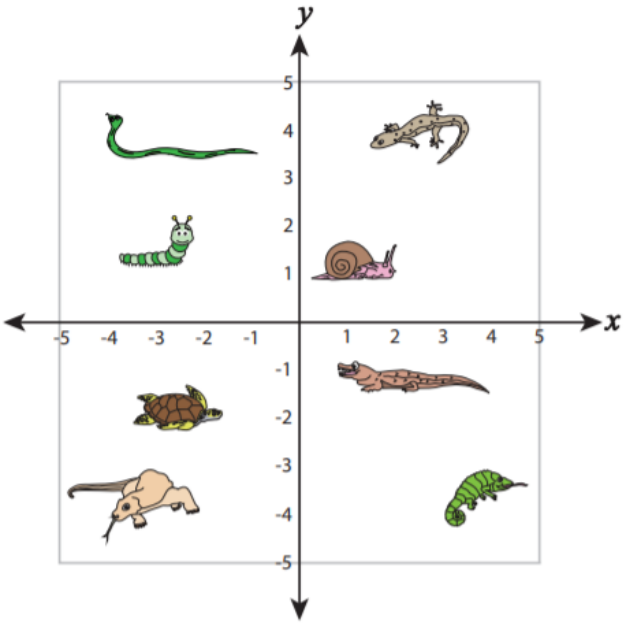
Q (4 , 1)	*R* (3, -3)	*S* (-5, -2)	*T* (0, 3)
U (-3, 5)	*V* (2, 0)	*W* (-1, -4)	*X* (4, -6)

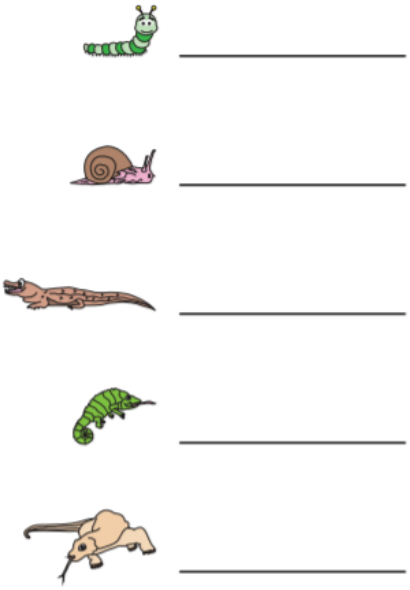
Write the quadrant that each point is found in.

H _____	*D* _____	*B* _____	*S* _____
F _____	*Q* _____	*C* _____	*U* _____

Application Problem

Write at which quadrant each reptile is.





_____

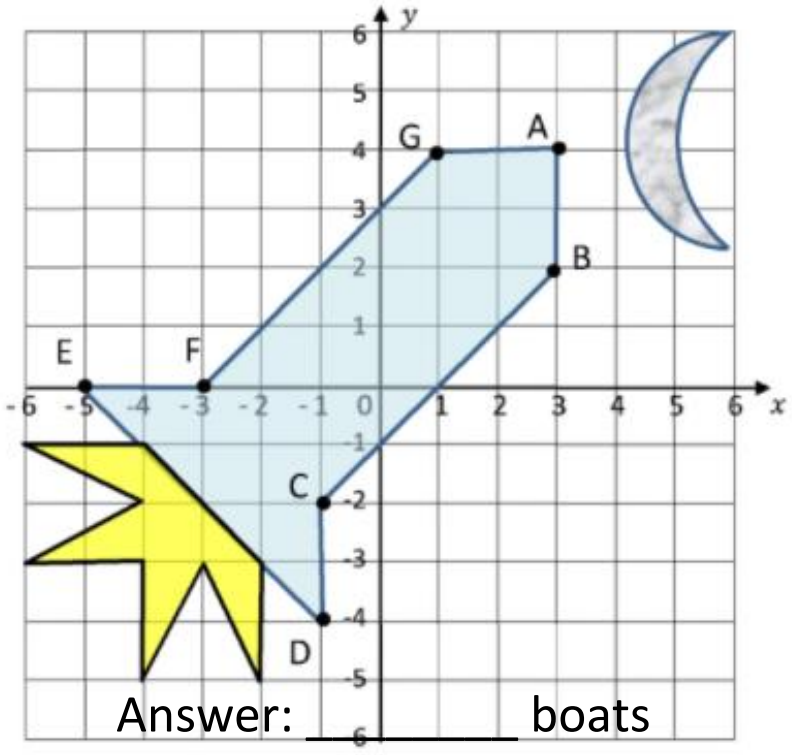
_____

_____

_____

_____

Exit Ticket:



Write down the coordinates of this rocket.

A (___ , ___)

B (___ , ___)

C (___ , ___)

D (___ , ___)

E (___ , ___)

F (___ , ___)

G (___ , ___)

Answer: _____ boats

Name _____

5th Grade Modified Math Remote Learning Packet

Week 39

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.

_____ _____

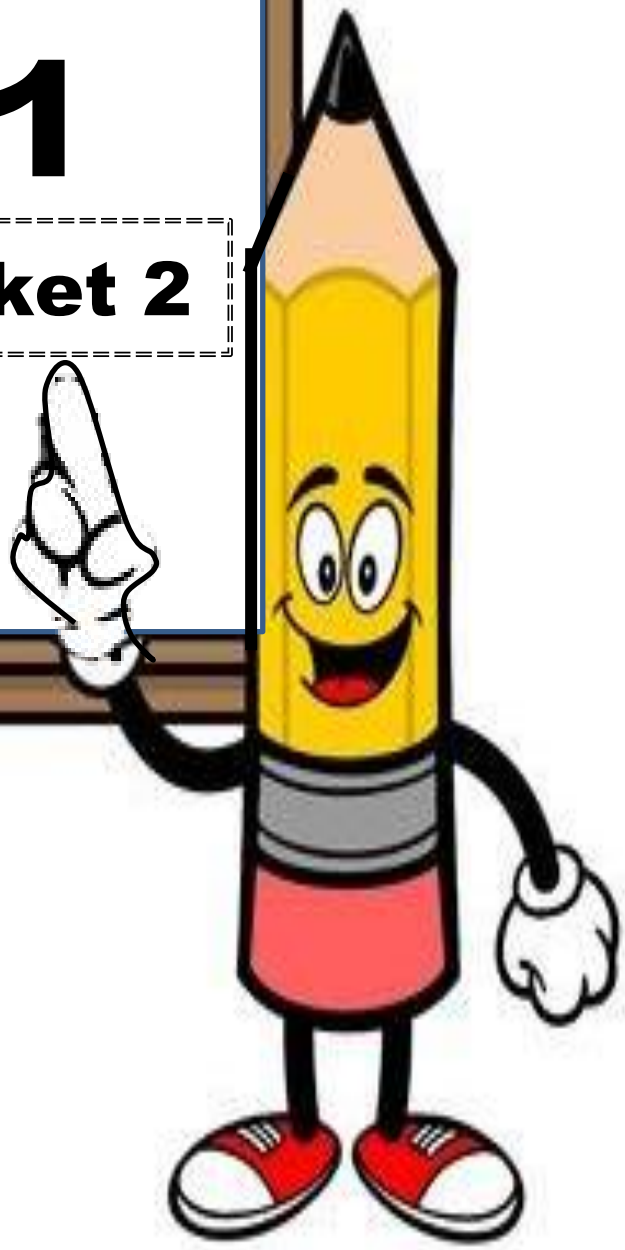
(Parent Signature) (Date)

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

End of Year Packet 2



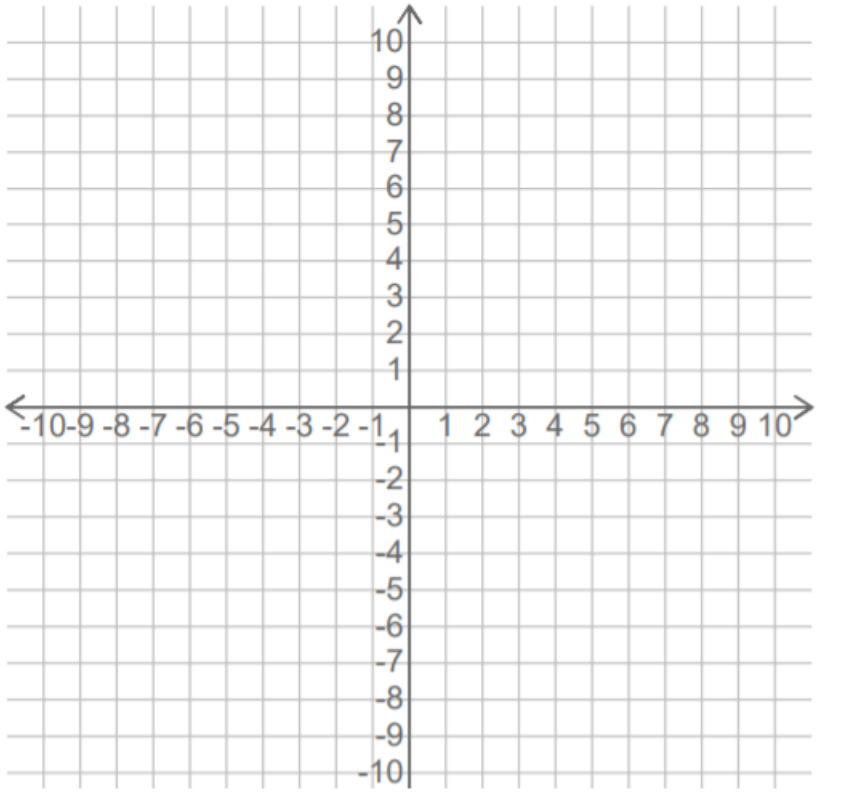
Name:_____ Week 39 Day 1 Date:_____

BCCS-Boys Stanford MIT

Do Now

Plot the points shown on the coordinate grid.

1.



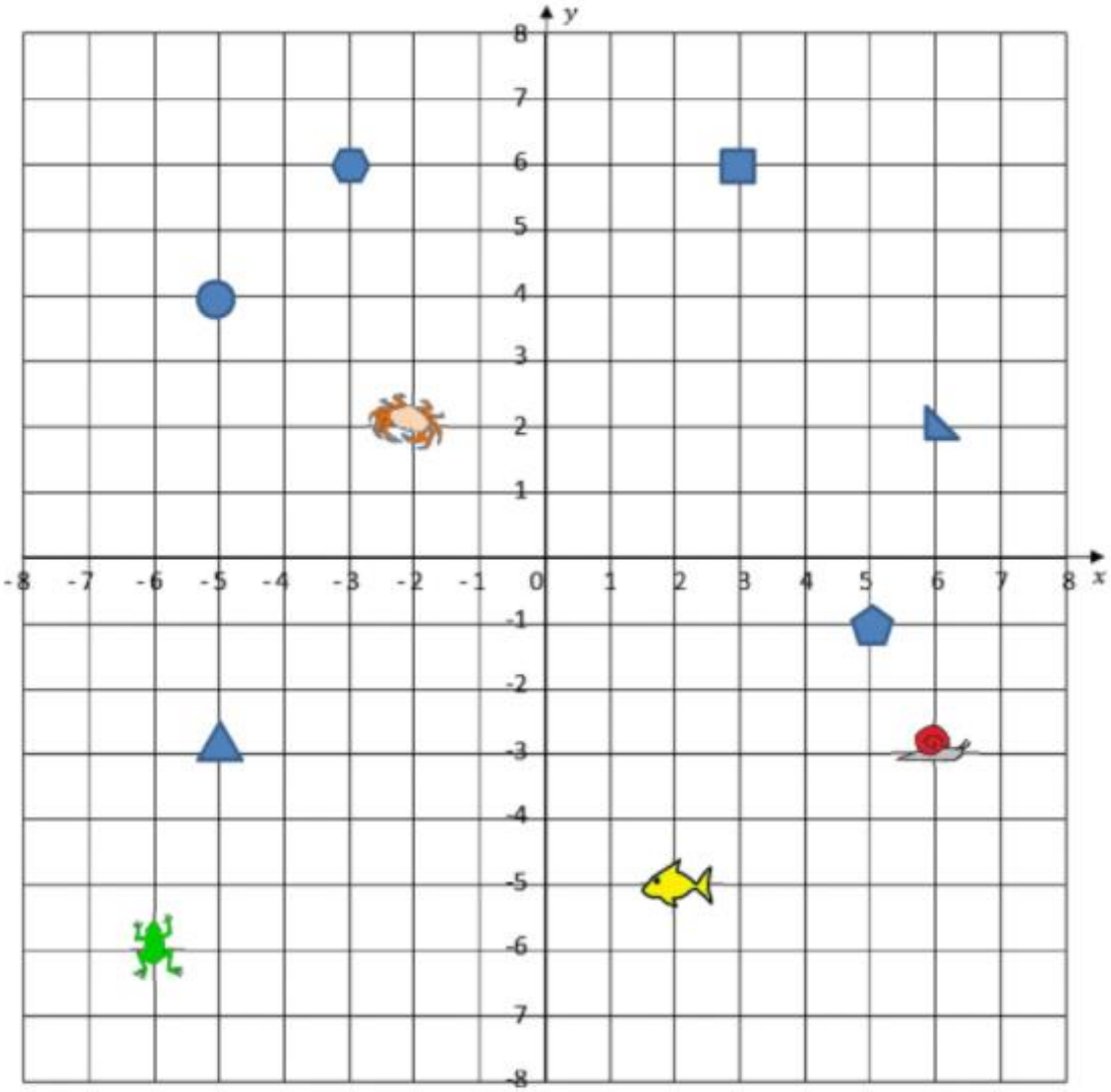
A (-6, 3) **B (-3, -3)** **C (-1, 9)**

D (6, -10) **E (3, 4)** **F (-4, -2)**

Input Activity

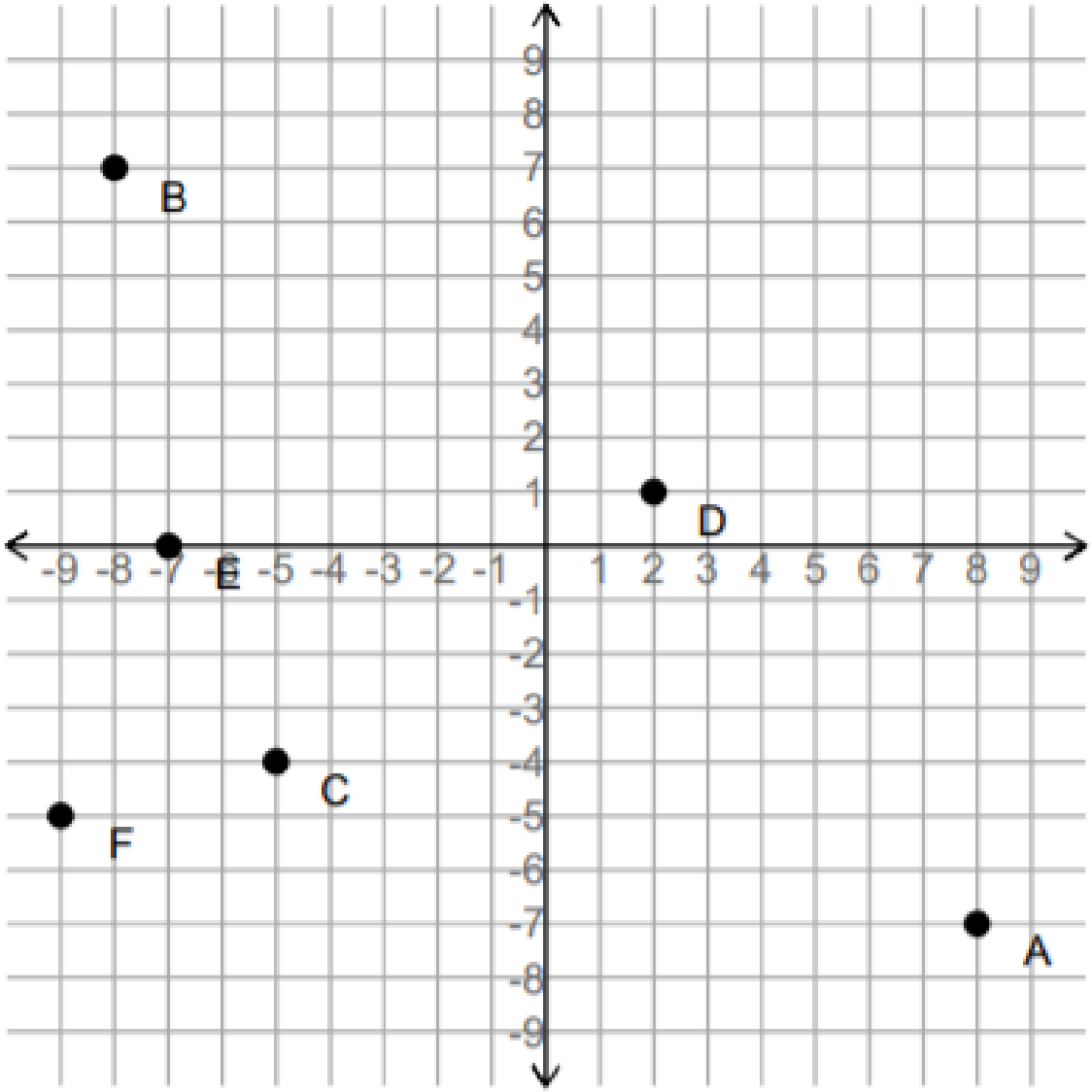
Problem 1

Use the coordinate grid to work out the coordinates below.



1) Circle (-5, 4)
2) Square (___, ___)
3) Hexagon (___, ___)
4) Frog (___, ___)
5) Fish (___, ___)
6) Pentagon (___, ___)
7) Right triangle (___, ___)
8) Equilateral triangle (___, ___)
9) Crab (___, ___)
10) Snail (___, ___)

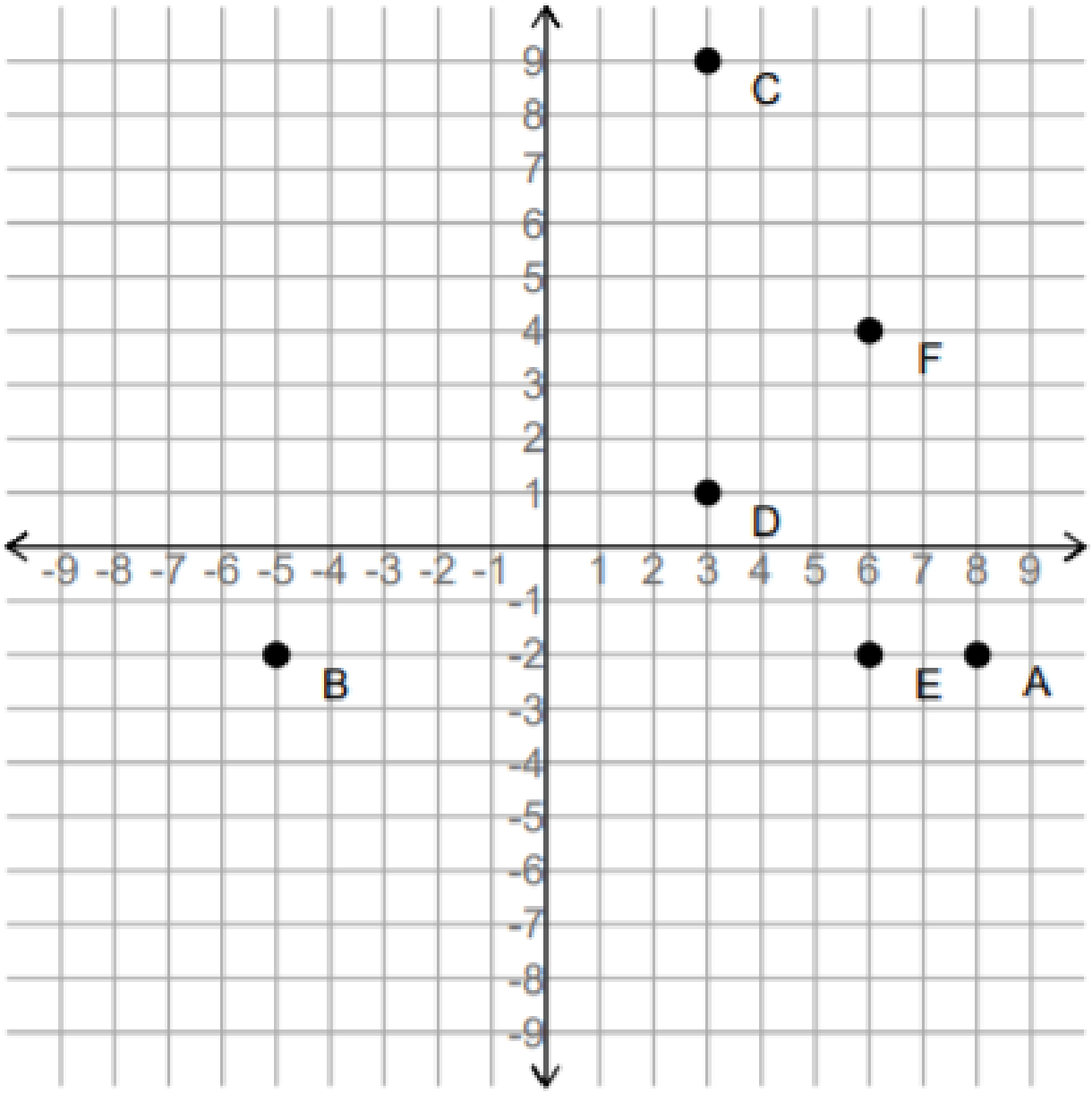
Problem 2



A = _____ B = _____ C = _____

D = _____ E = _____ F = _____

Problem 3



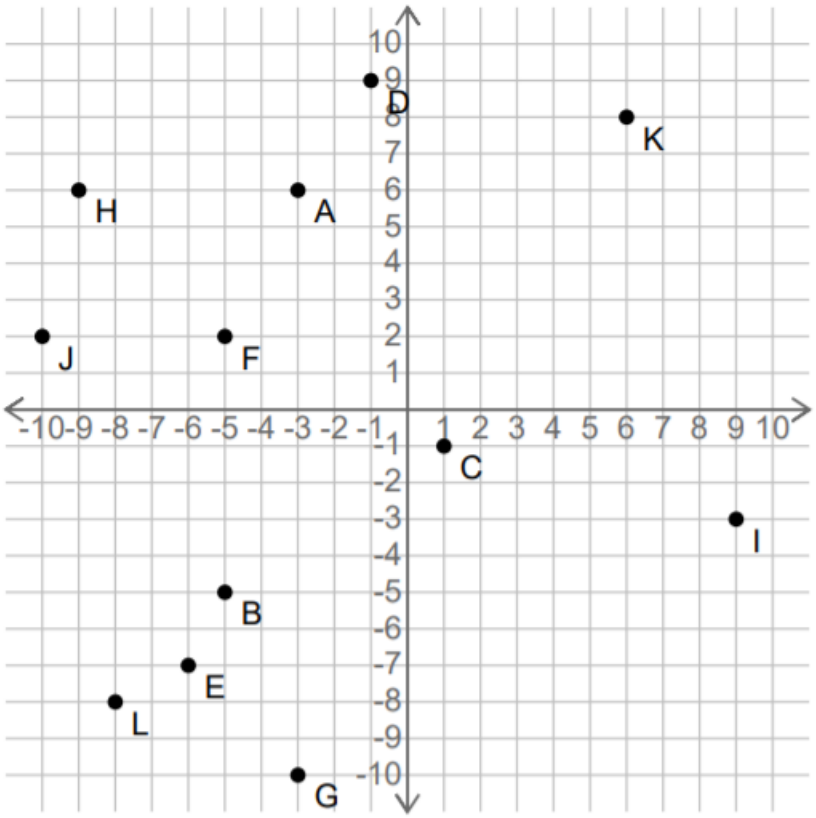
What letter is located at the following coordinates?

(-5, -2) _____ (3, 1) _____ (6, -2) _____

(6, 4) _____ (8, -2) _____

Problem 4:

Write down the coordinates of the points shown.



A = _____ B = _____ C = _____

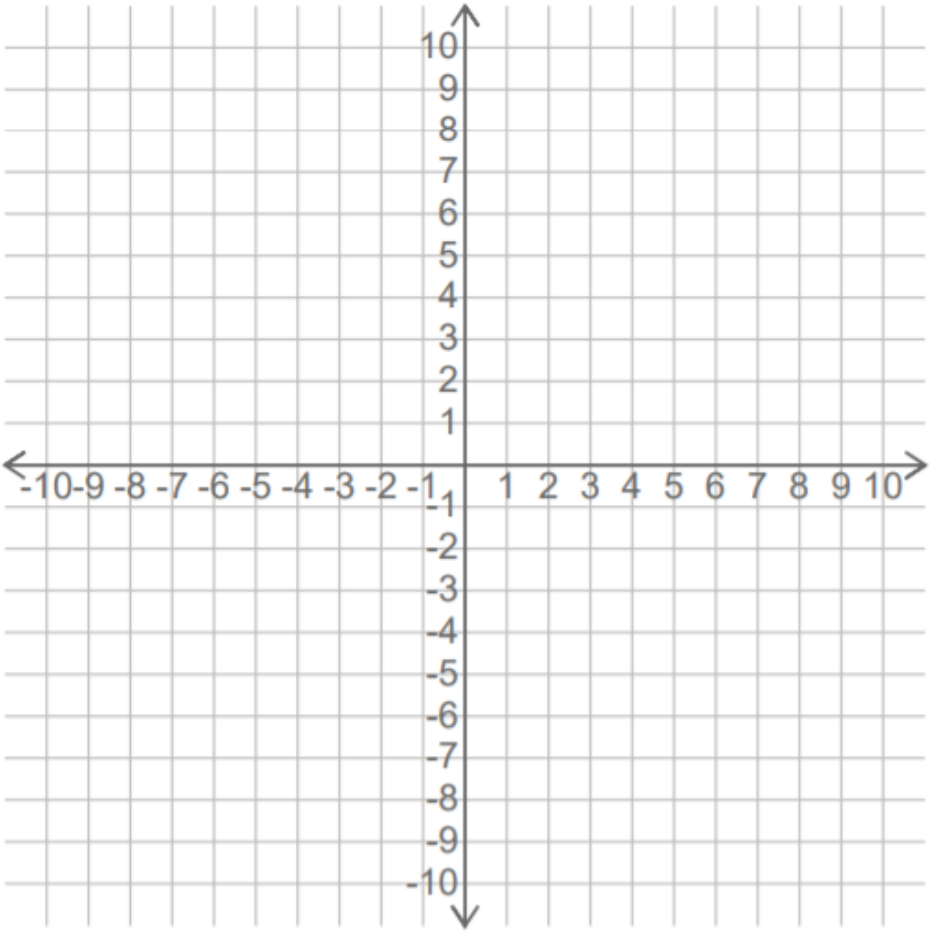
D = _____ E = _____ F = _____

G = _____ H = _____ I = _____

J = _____ K = _____ L = _____

Problem 5:

Plot the following point on the grid.

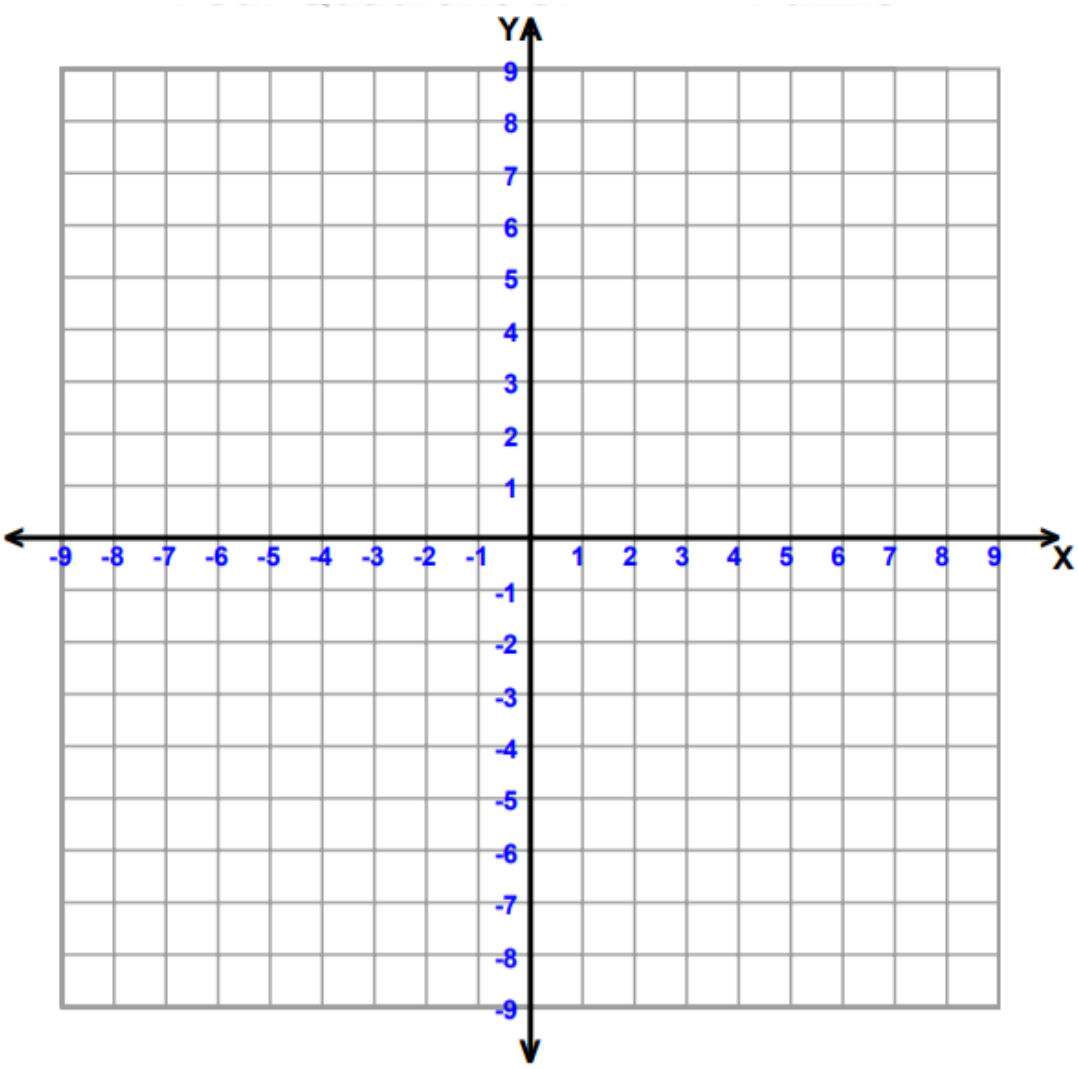


Q (-10, 2) R (0, 5) S (4, -9)

T (-6, -6) U (0, -1) V (-4, 0)

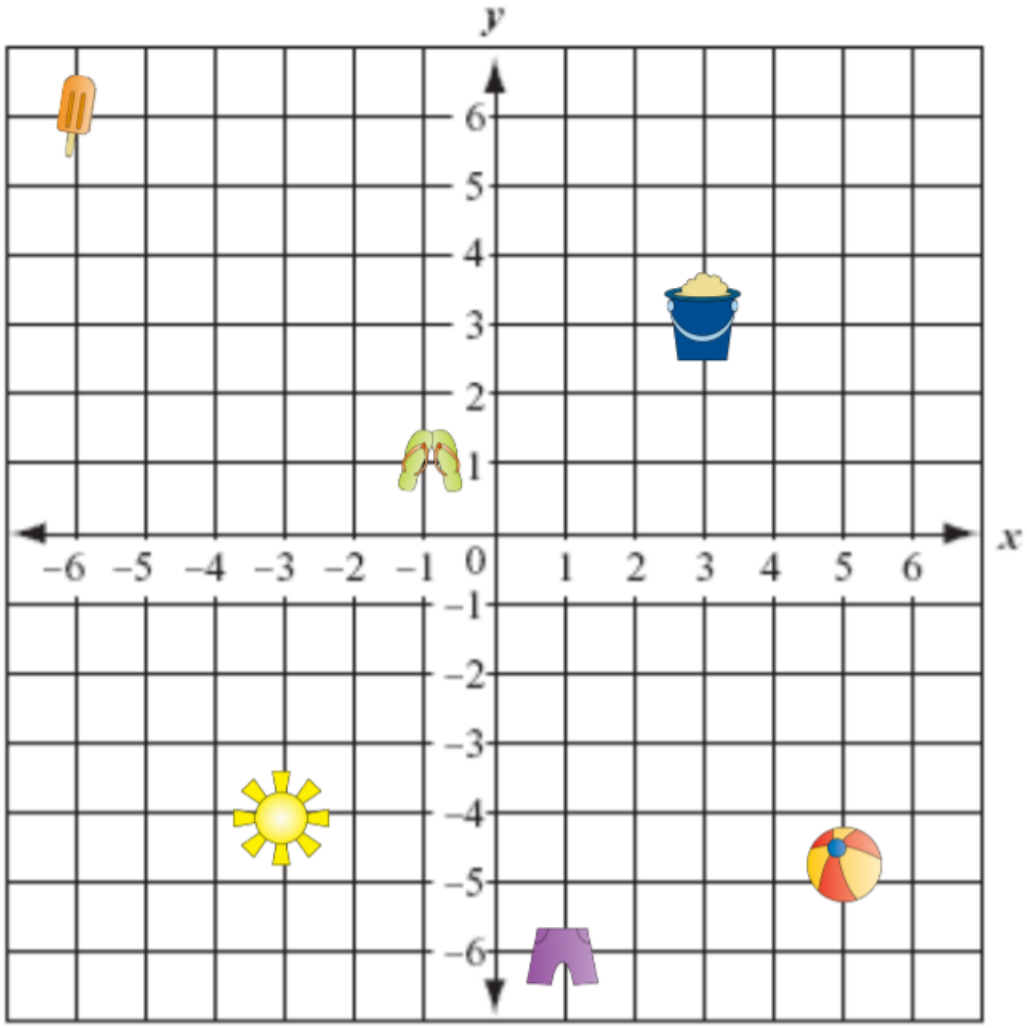
Problem Set

Connect each sequence of points with a line.



(-4,6) , (2,6) , (2,5) , (-3,5) , (-3,2) , (1,2) , (1,1) (-3,1) , (-3,-2) , (2,-2) , (2,-3) , (-4,-3) , (-4,6)

Application Problem

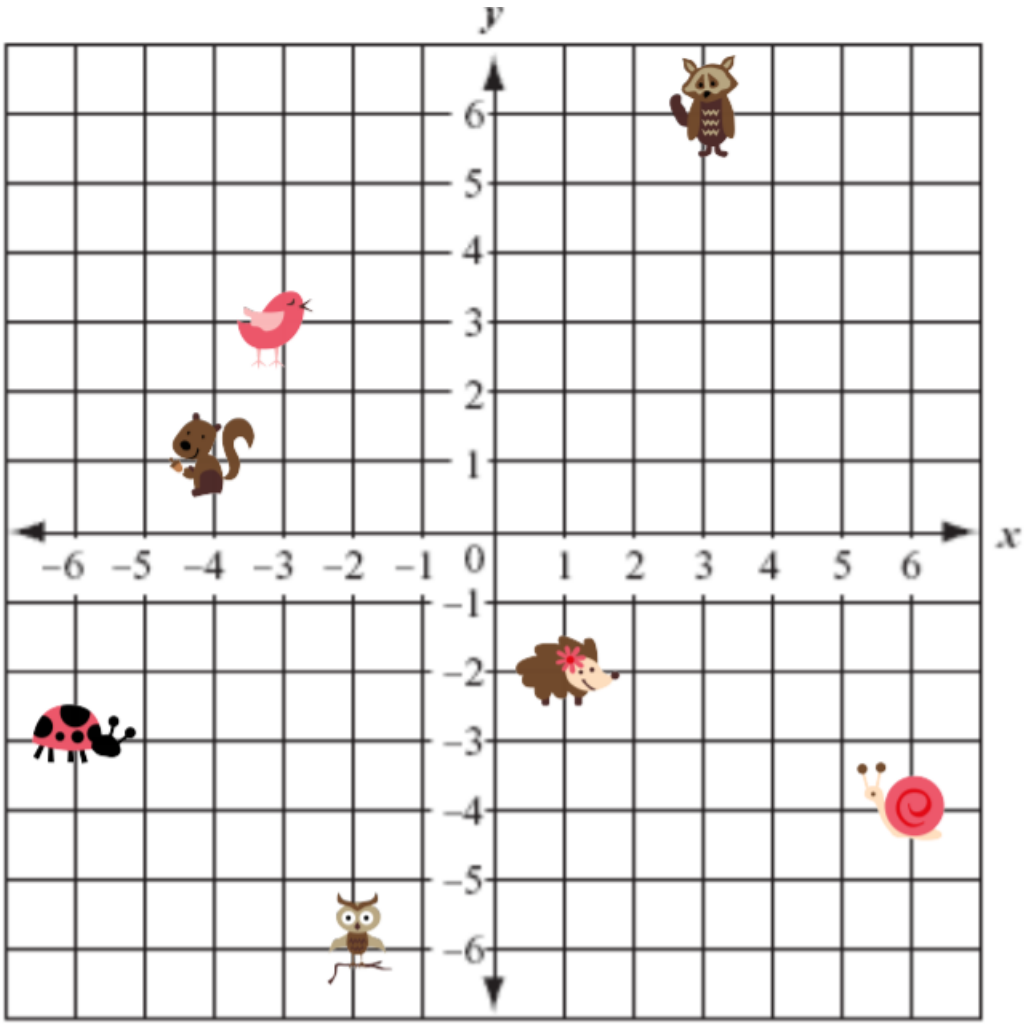


Write the ordered pair for each object:

1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

Exit Ticket:



Write the ordered pair for each object:

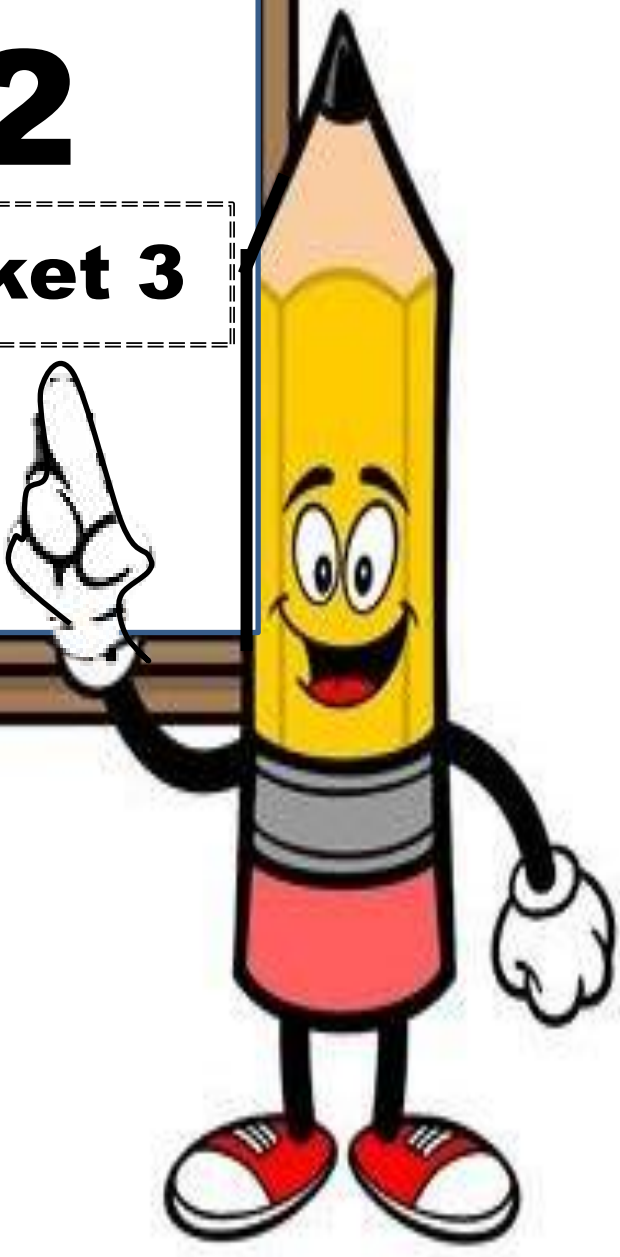
1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

Brighter Choice
Charter School for Boys

Day # 2

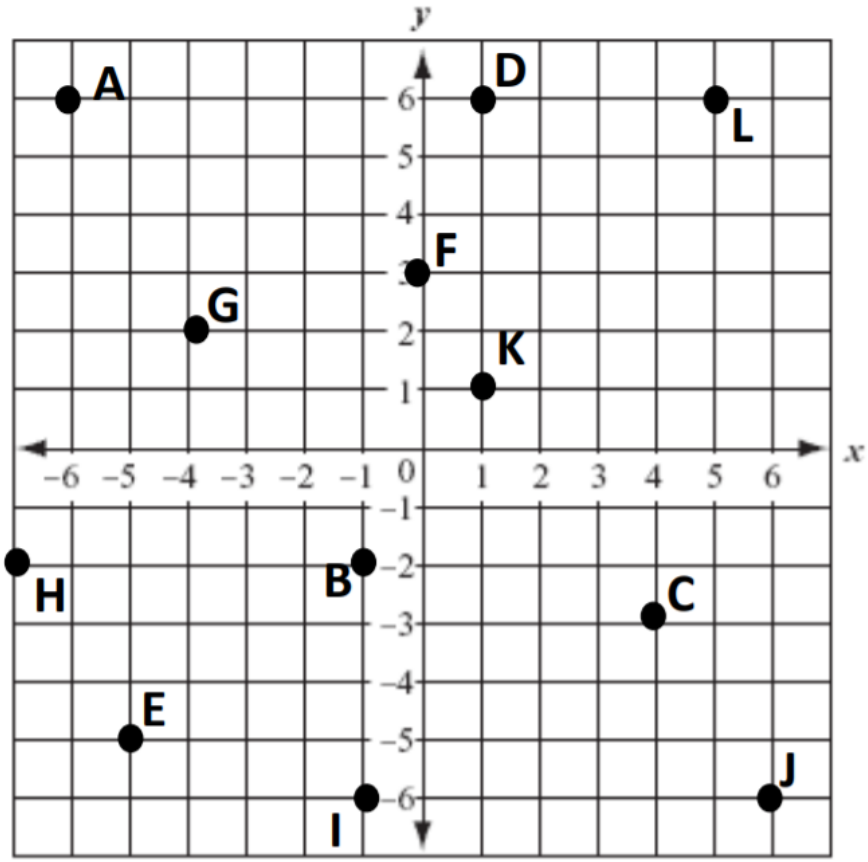
End of Year Packet 3



Name:_____ Week 39 Day 2 Date:_____

BCCS-Boys Stanford MIT

Do Now



Write the point that is located at each ordered pair.

1. (-4,2) _____

2. (-2,-6) _____

3. (0,3) _____

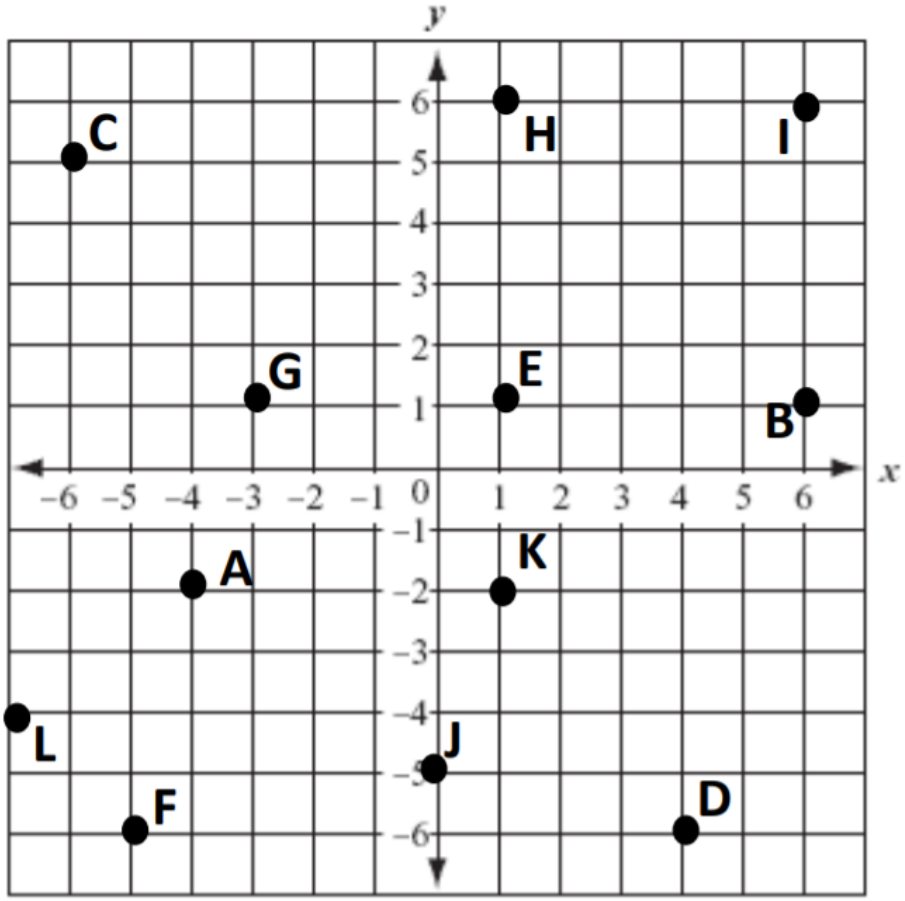
4. (5,6) _____

5. (-7,-2) _____

6. (1,1) _____

Input Activity

Problem 1



Write the point that is located at each ordered pair.

1. (6,1) _____

2. (-7,-4) _____

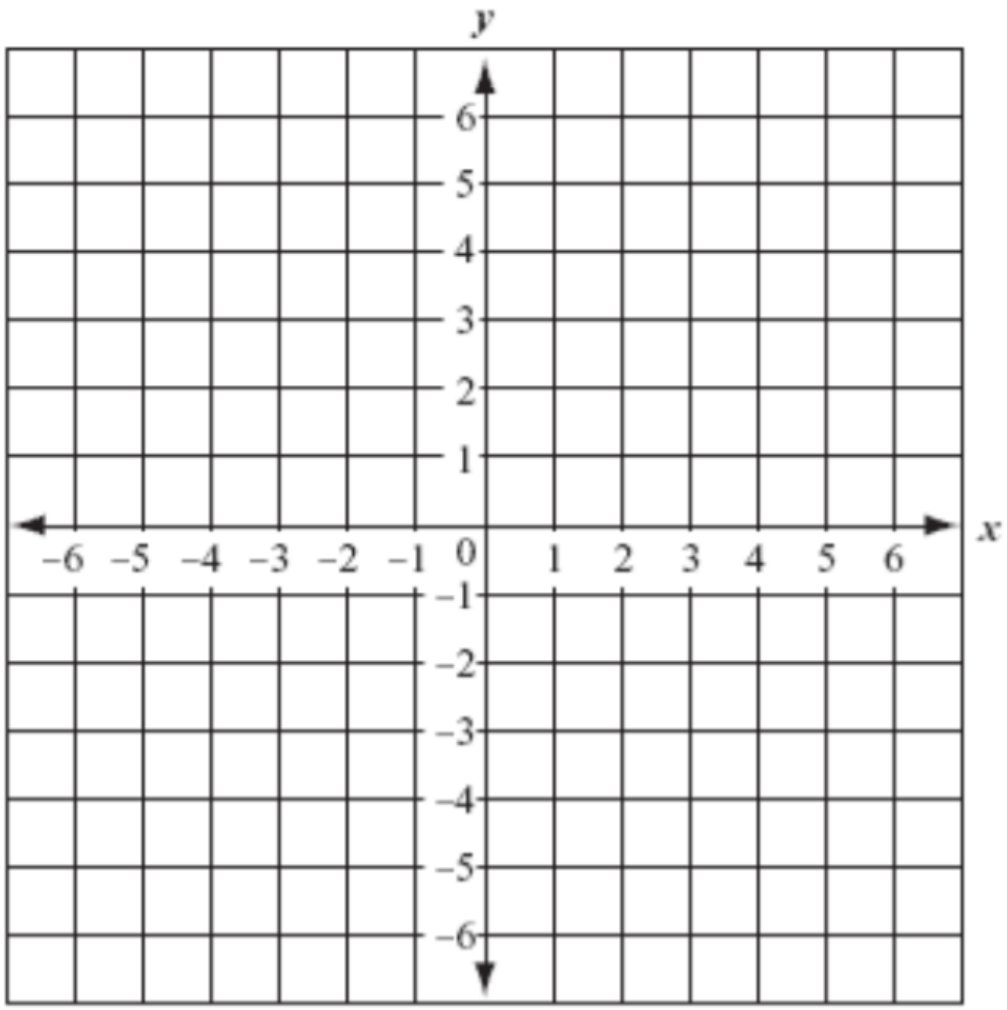
3. (-3,1) _____

4. (0,-5) _____

5. (1,-2) _____

6. (4,-6) _____

Problem 2



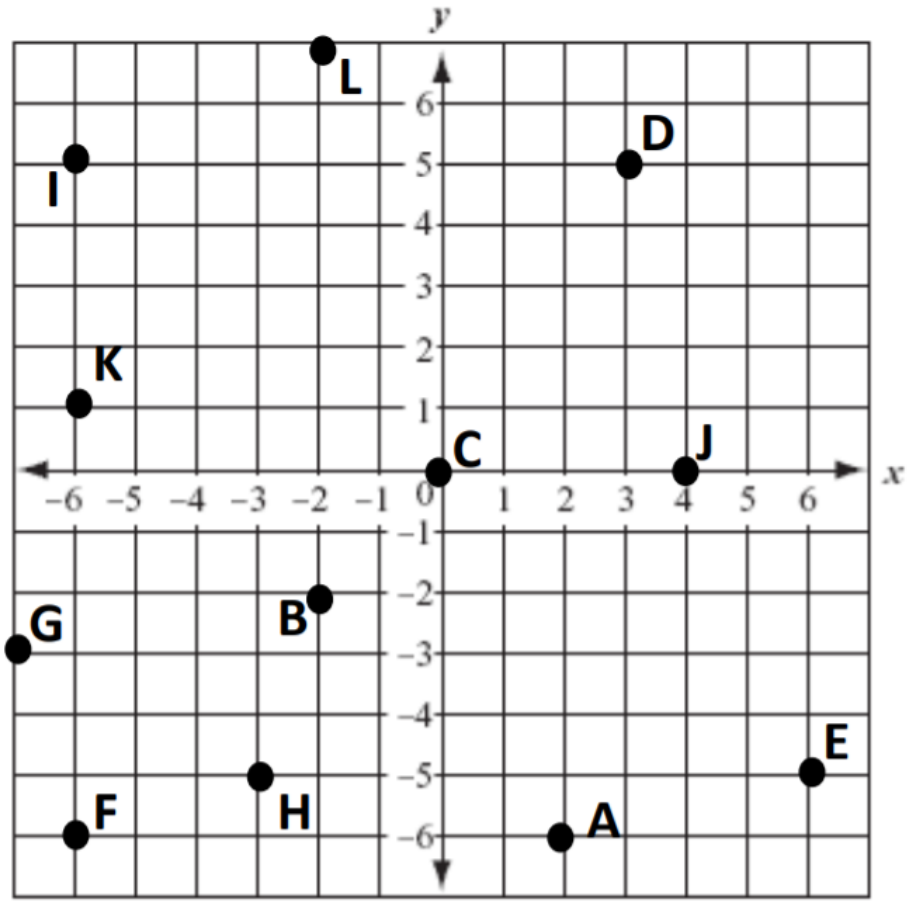
Make a dot at each of the ordered pairs and then connect them to make a picture.

(0,4) (0,2) (3,3) (5,2) (5,0) (4,-2) (3,-4) (1,-5)

(0,-4) (-2,-5) (-3,-3) (-4,-1) (-4,1) (-3,3)

What did you make? _____

Problem 3

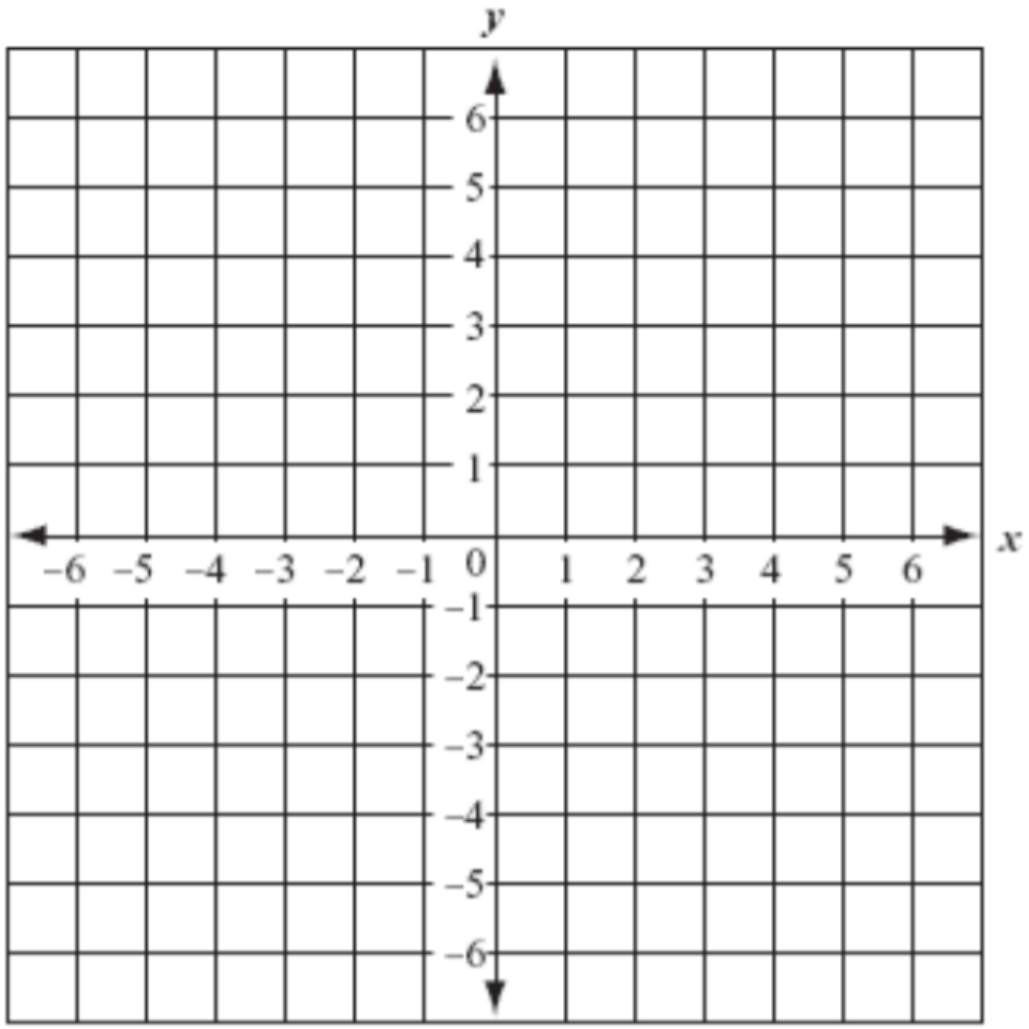


Write the coordinate for the following points:

A _____ **L** _____ **C** _____

K _____ **F** _____ **E** _____

Problem 4:



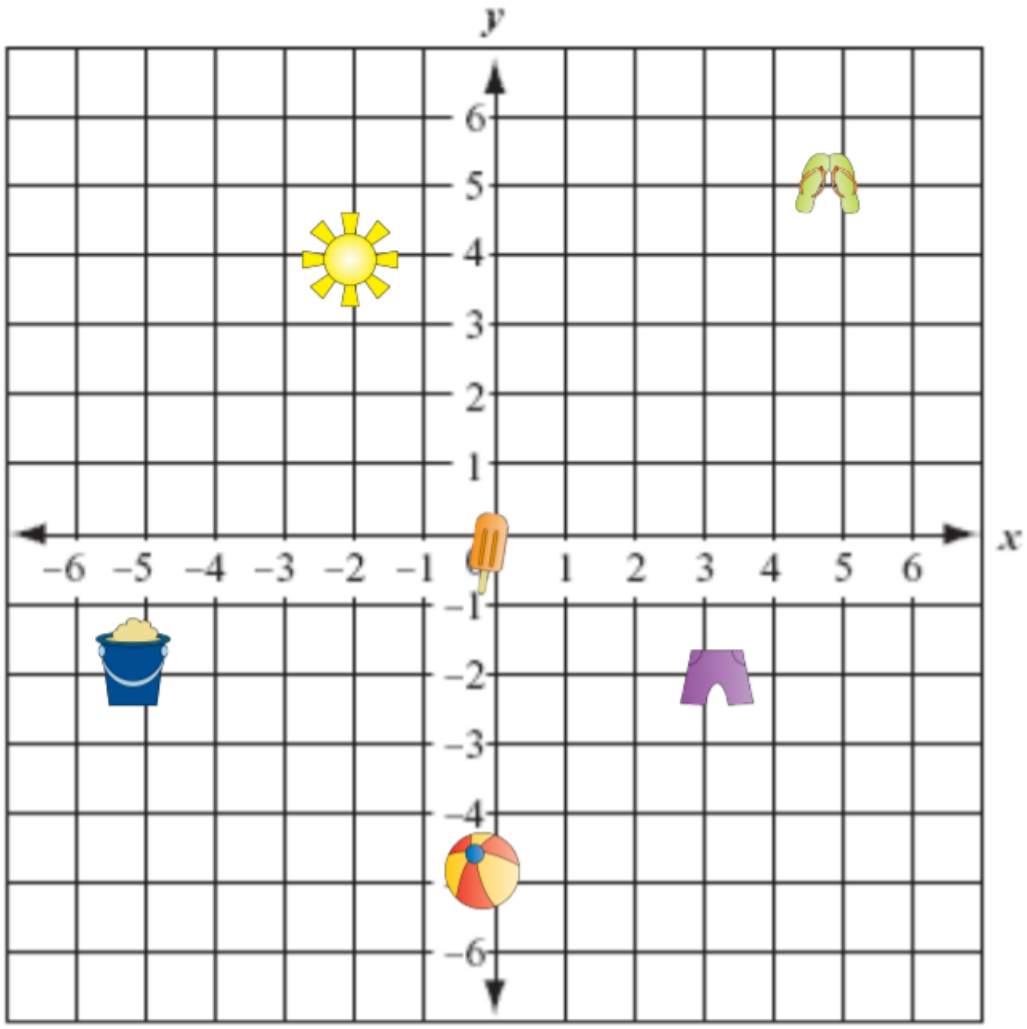
Make a dot at each of the ordered pairs and then connect them to make a picture.

(1,5) (2,2) (1,2) (3,-1) (2,-1) (4,-7) (0,-1) (1,-1) (-2,2) (-1,2)

(-3,5) (1,5)

What did you make? _____

Problem 5:

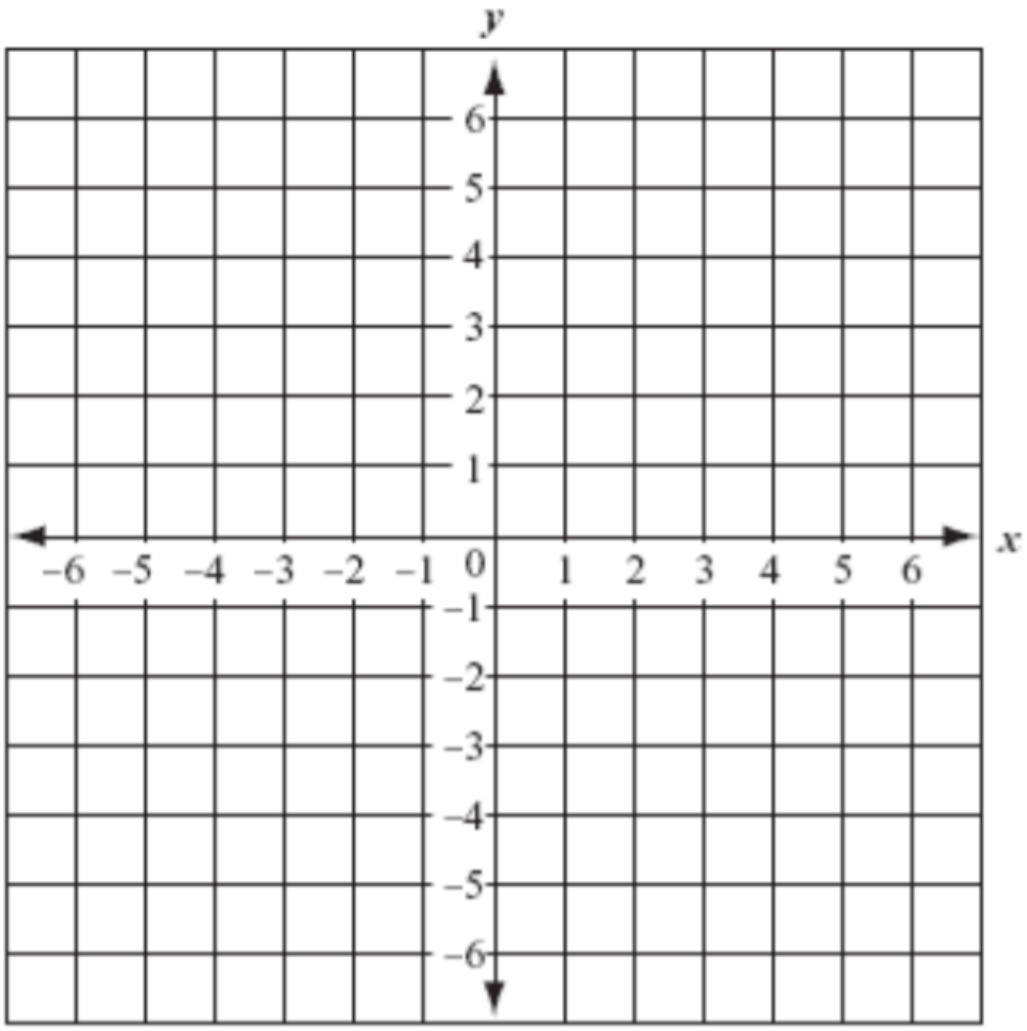


Find the object for each ordered pair:

1. (-2, 4)_____ 2. (0, -5) _____ 3. (3, -2) _____

4. (-5, -1) _____ 5. (0, 0) _____ 6. (5, 5) _____

Problem Set



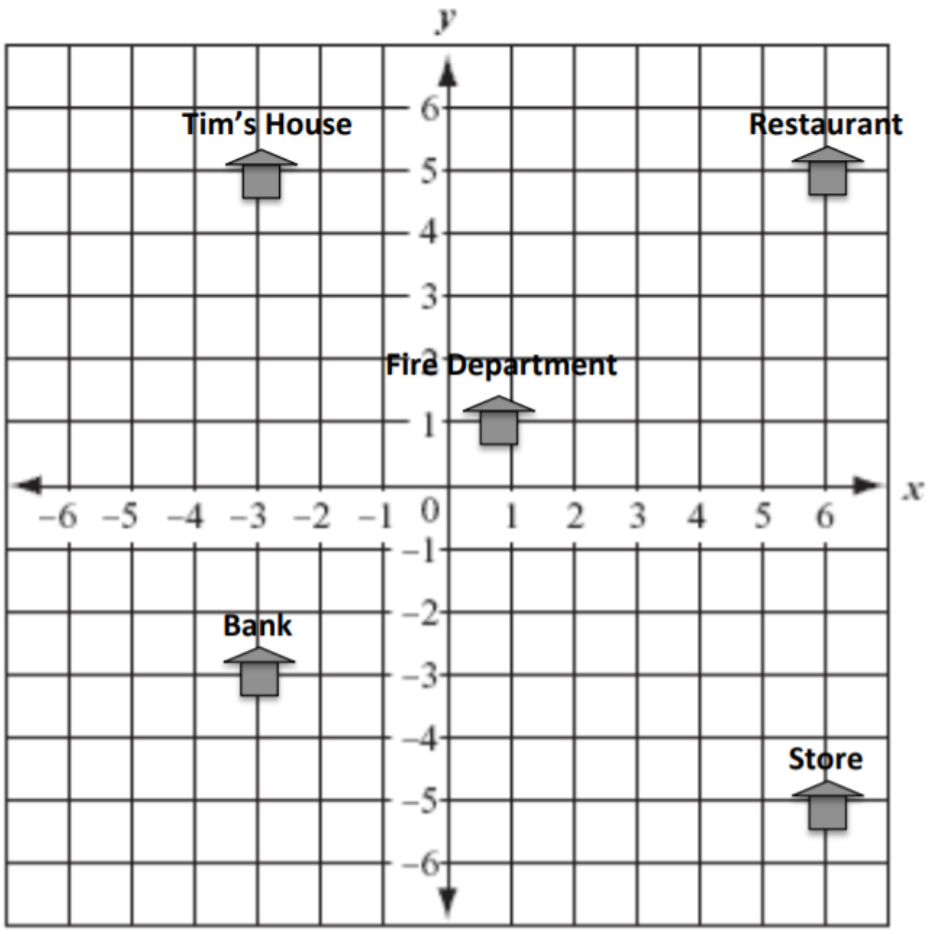
Make a dot at each of the ordered pairs and then connect them to make a picture.

(0,6) (2,1) (6,1) (2,-2) (4,-7) (0,-4) (-4,-7) (-2,-2)

(-6,1) (-2,1) (0,6)

What did you make? _____

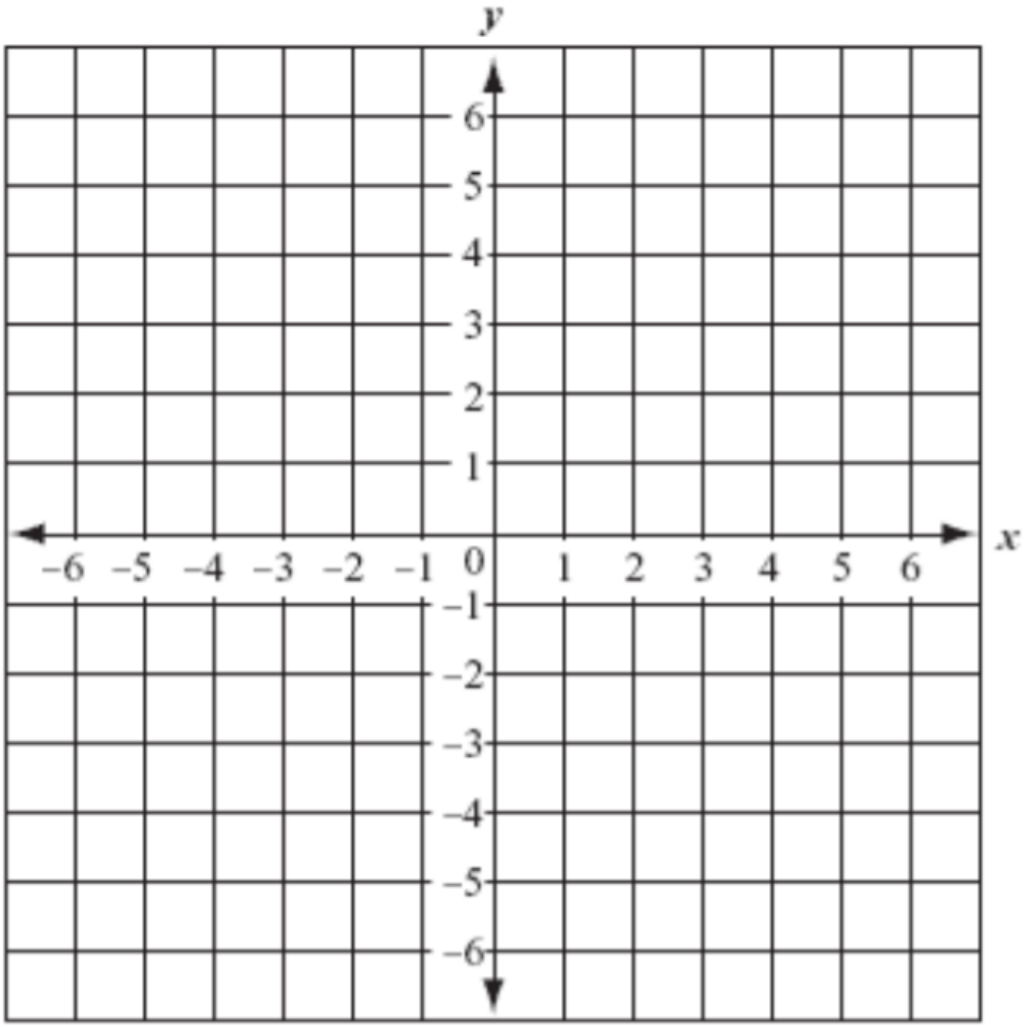
Application Problem



1. If Tim left his house and went to the restaurant. How many units was that? _____

2. If Tim left his house, went to the bank, and then the fire department, how many units was that? _____

Exit Ticket:



Make a dot at each of the ordered pairs and then connect them to make a picture.

(0,5) (4,2) (2,2) (5,0) (3,0) (6,-2) (1,-2) (1,-4) (-2,-4)

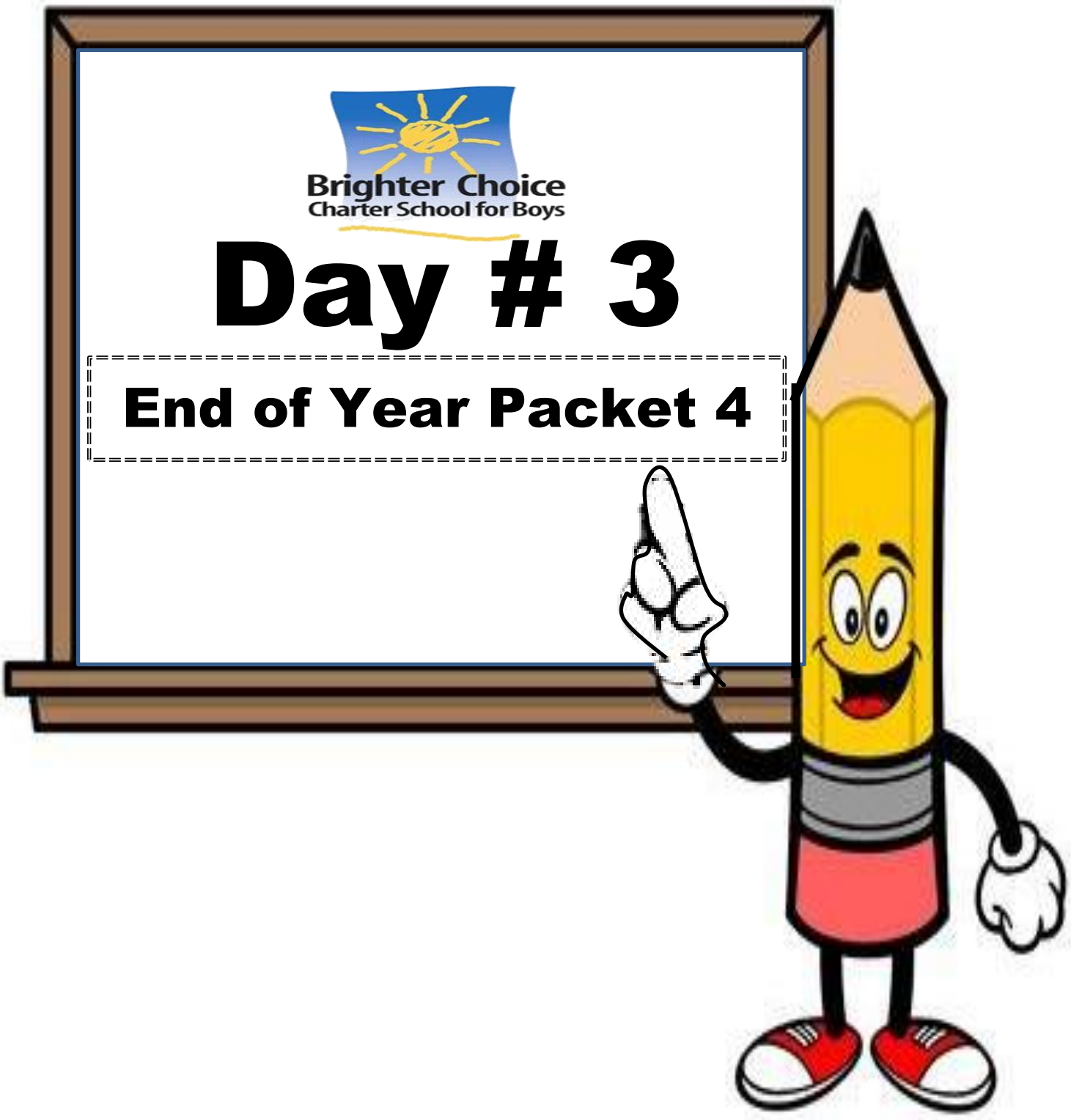
(-2,-2) (-7,-2) (-3,0) (-5,0) (-2,2) (-4, 2) (0,5)

What did you make? _____

Brighter Choice
Charter School for Boys

Day # 3

End of Year Packet 4



Name:_____ Week 39 Day 3 Date:_____

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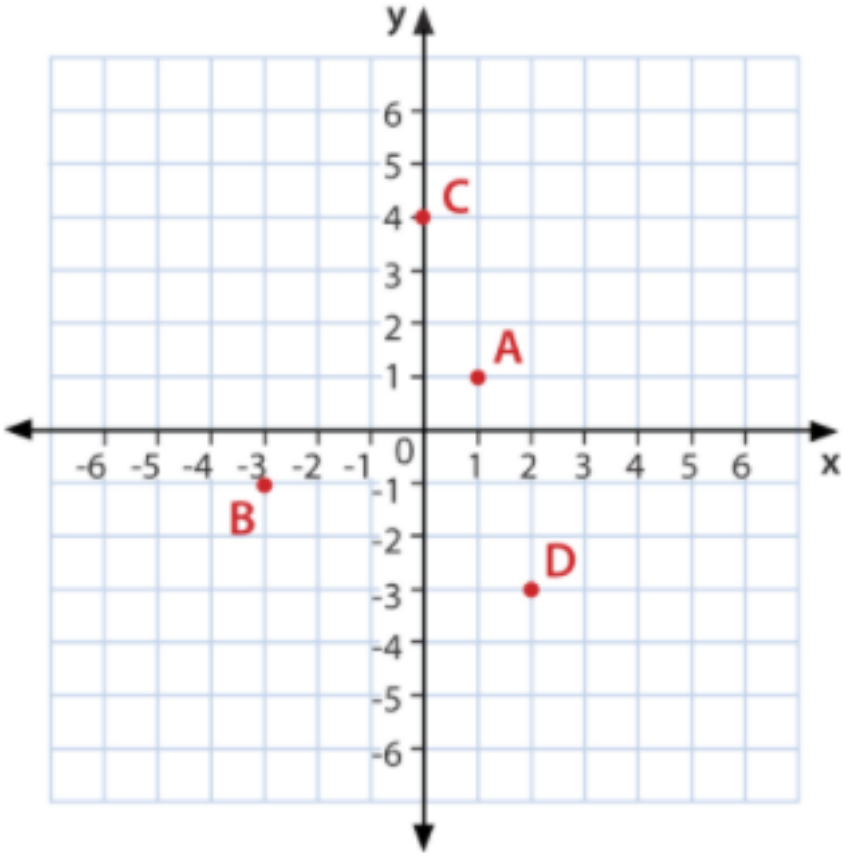
Do Now



What are the coordinates for the following points:

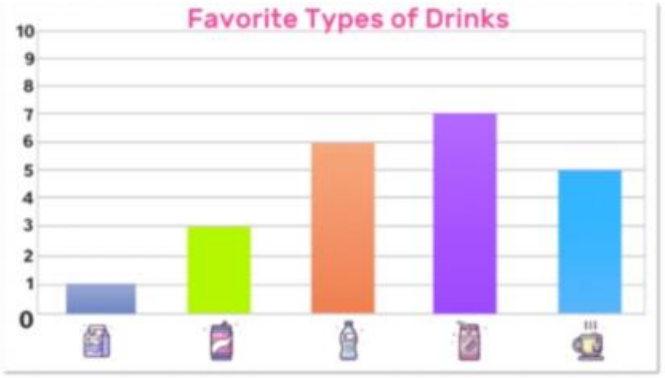
C: _____ D: _____

B: _____ A: _____

Key Terms:

Bar Graph - a _____ that represents _____, numbers or quantities by using _____

Ex:



Frequency Table – the _____ of times a value occurs in a set of _____

Tally – a _____ of an amount

Ex:

Number of absent students (i)	Tally	Frequency (f_i)
0	𝍸	
1	𝍸 |	
2	𝍸 𝍸	
3	𝍸 𝍸	
4	𝍸 𝍸	
5	||	
6	|	

Input Activity

Problem 1

Mrs Jenson collected the results from 20 maths tests.
She wrote the results like this.

21, 27, 31, 6, 44, 26, 18, 5, 17, 25,
43, 22, 19, 11, 10, 20, 31, 41, 0, 7

Simplify the results and group them in the frequency table.

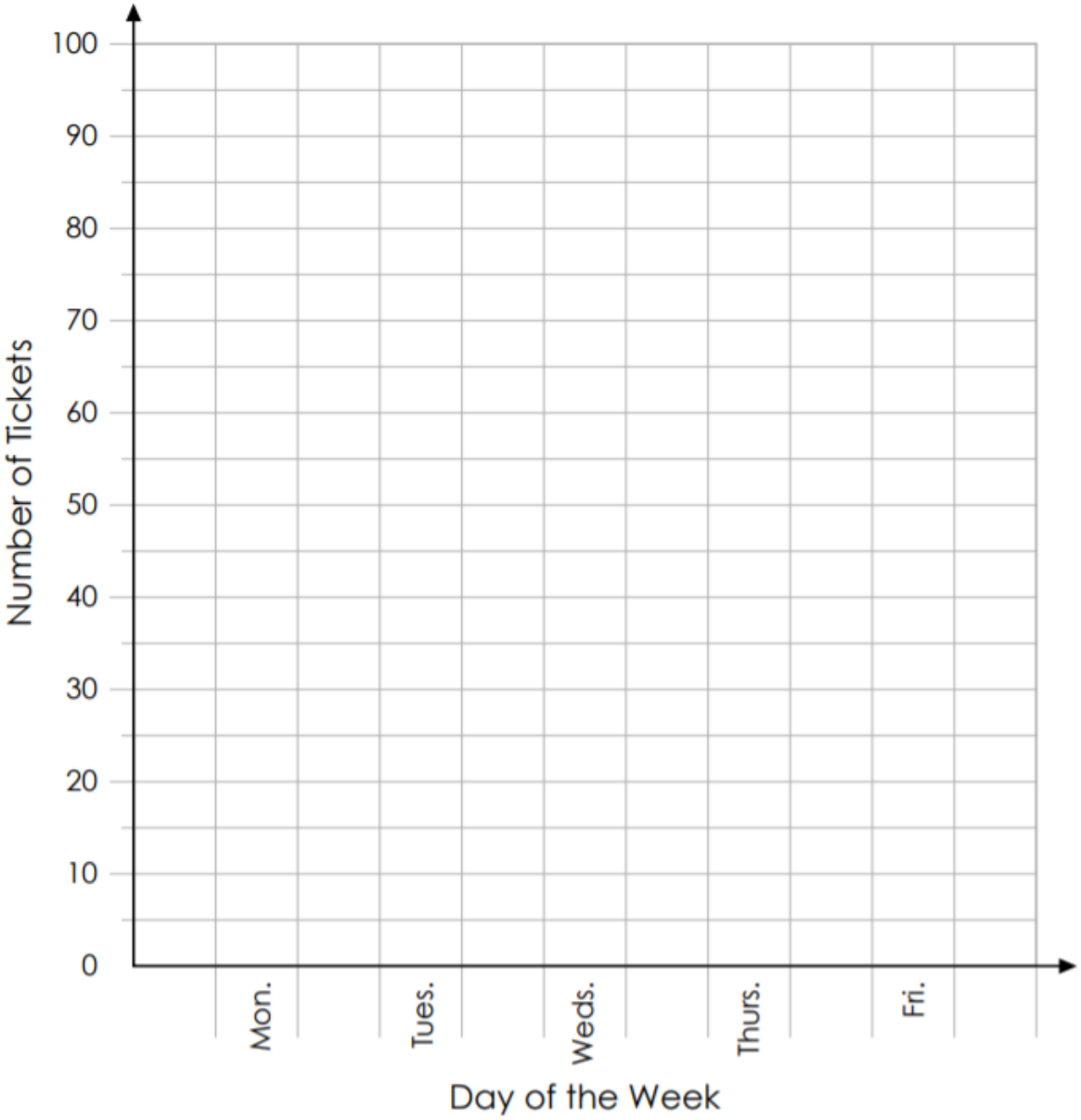
Mark	Tally	Frequency
0 to 9		
10 to 19		
20 to 29		
30 to 39		
40 to 49		

Problem 2

Esther's school sold raffle tickets last week. The table below shows the number of tickets sold each day. Use the information in the table to complete the graph.

Mon.	Tues.	Weds.	Thurs.	Fri.
55	40	25	35	80

Esther's Daily Raffle Ticket Sales



Problem 3

1. How many tickets were sold on Monday? 1. _____

2. How many tickets were sold on Thursday? 2. _____

3. On which day were the most tickets sold? 3. _____

4. On which day were the fewest tickets sold? 4. _____

5. What is on the y-axis of this graph? 5. _____

6. What is on the x-axis of this graph? 6. _____

7. How many tickets were sold after Tuesday? 7. _____

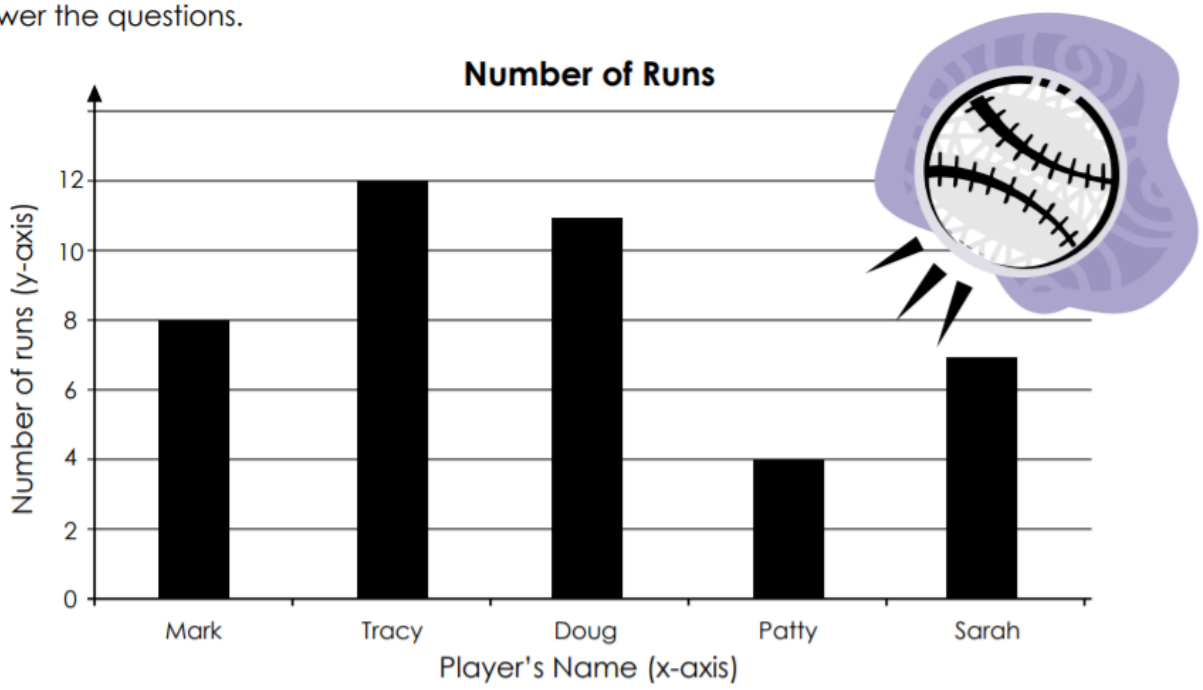
8. How many tickets were sold before Thursday? 8. _____

9. During which two day period were 115 tickets sold? 9. _____

10. How many fewer tickets were sold on Wednesday than Thursday? 10. _____

Problem 4:

The school baseball team keeps track of how many runs each player gets. Use the graph below to answer the questions.



1. How many runs did Sarah have? 1. _____

2. How many runs did the player with the most runs have? 2. _____

3. How many more runs did Doug have than Sarah? 3. _____

4. How many fewer runs did Mark have than Tracy? 4. _____

5. How many runs did Mark and Patty have? 5. _____

6. Who has more runs: Mark and Doug or Tracy and Patty? 6. _____

7. Which two players' runs added together are less than Tracy's? 7. _____

8. Jose scores five more runs than Tracy. How many runs did he score? 8. _____

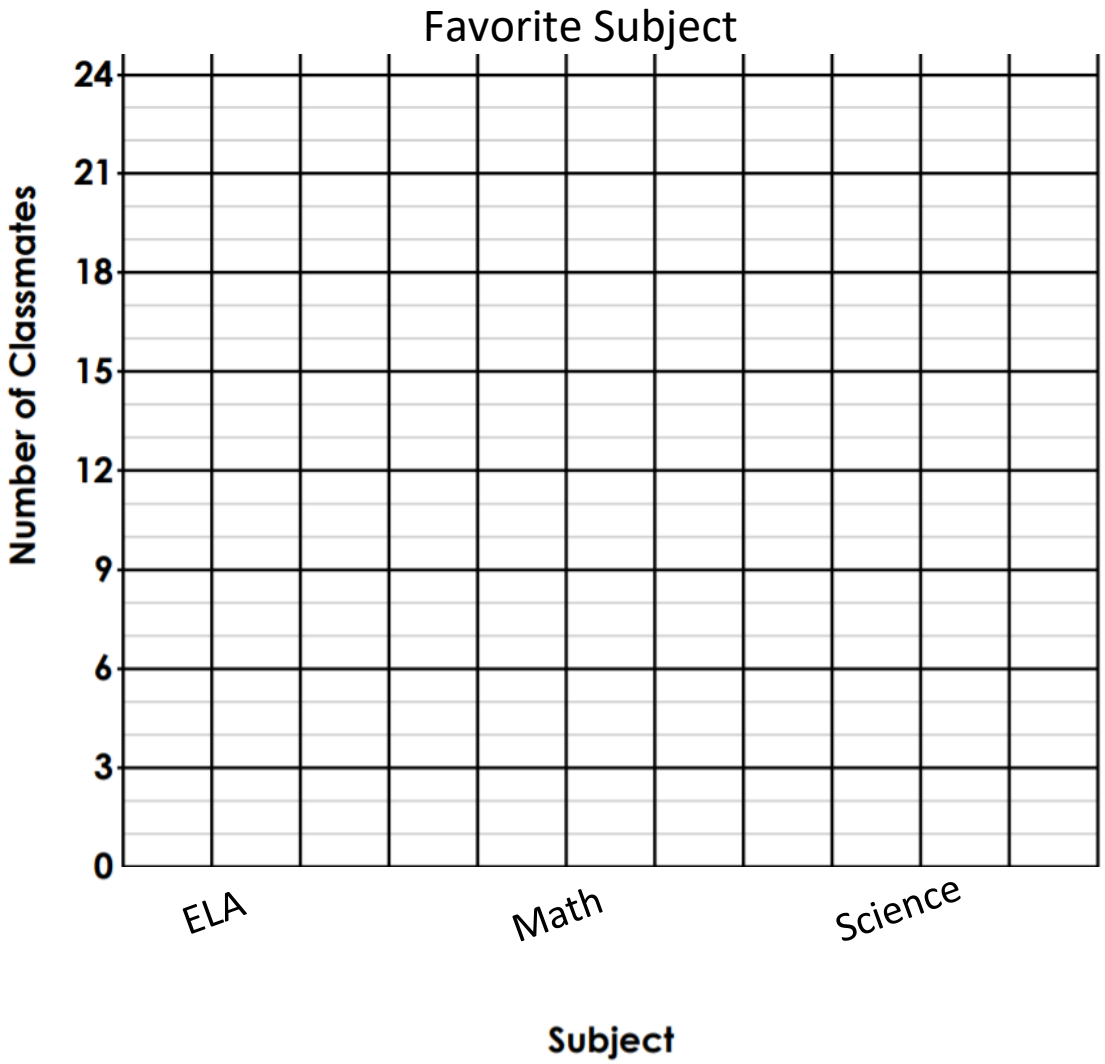
9. List the players in order, from fewest runs to most runs.

_____

Problem 5:

Class Survey: Let's create a tally chart and bar graph for the our class favorite subject.

SUBJECT	TALLY	FREQUENCY
ELA		
Math		
Science		

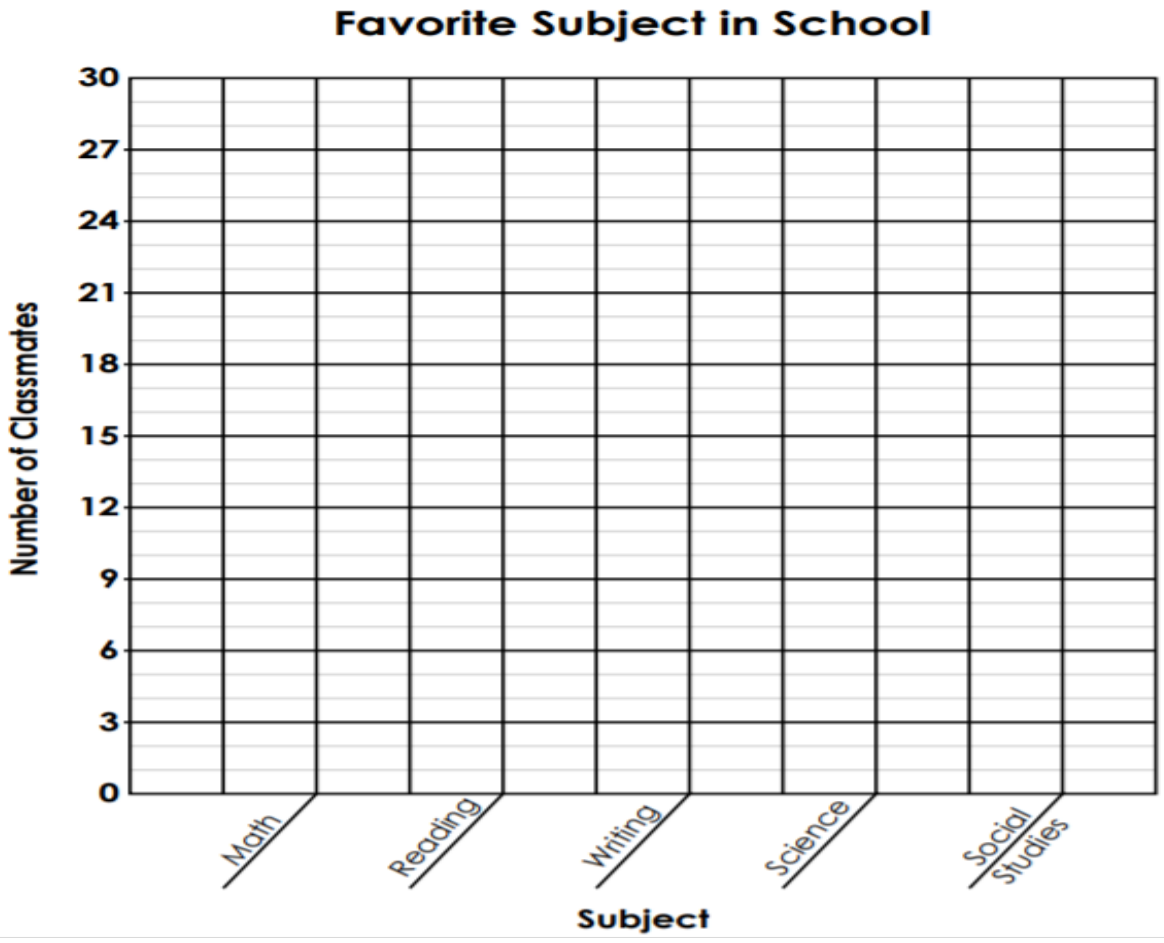


Problem Set

Christina surveyed her classmates to find out their favorite subjects in school. She made a tally chart to record the results.

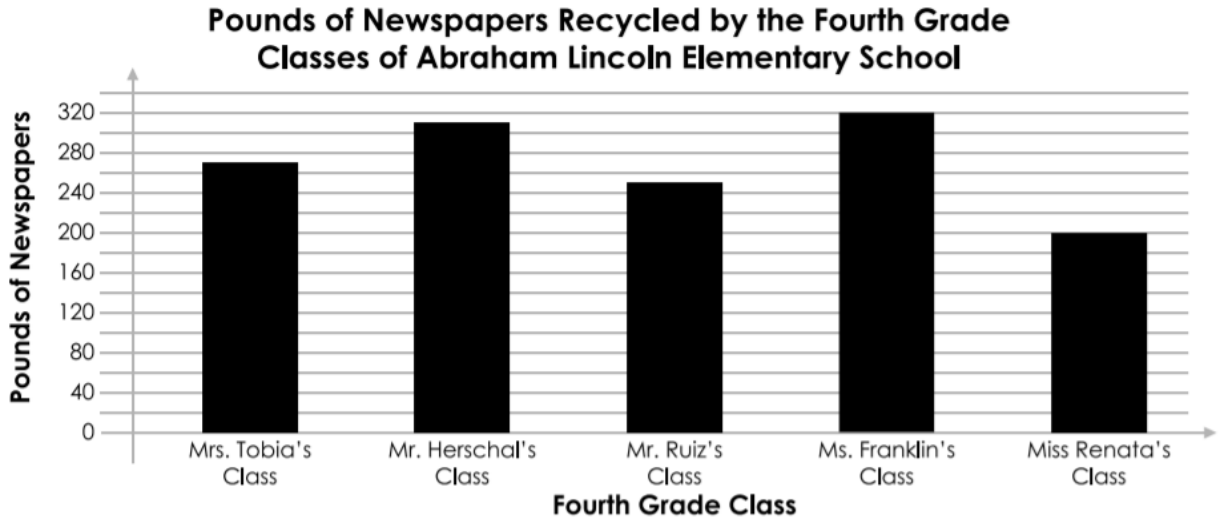
SUBJECT	COUNT	FREQUENCY
Math	𝍸 𝍸	
Reading	𝍸 𝍸 𝍸 //	
Writing	///	
Science	𝍸 𝍸 𝍸 𝍸 ///	
Social Studies	𝍸 𝍸 𝍸 /	

Complete the bar graph to show the results of the "Favorite Subject" survey on the previous page. Use a different color for the bar for each subject.



Application Problem

The students in the fourth grade classes at Abraham Lincoln Elementary School collected newspapers for recycling. Use the graph below to answer the questions.



1. How many pounds of newspapers did Mrs. Tobia's class recycle? 1. _____

2. How many pounds of newspapers did Mr. Herschal's class recycle? 2. _____

3. How many more pounds did Ms. Franklin's class recycle than Miss Renata's? Show your work below. 3. _____

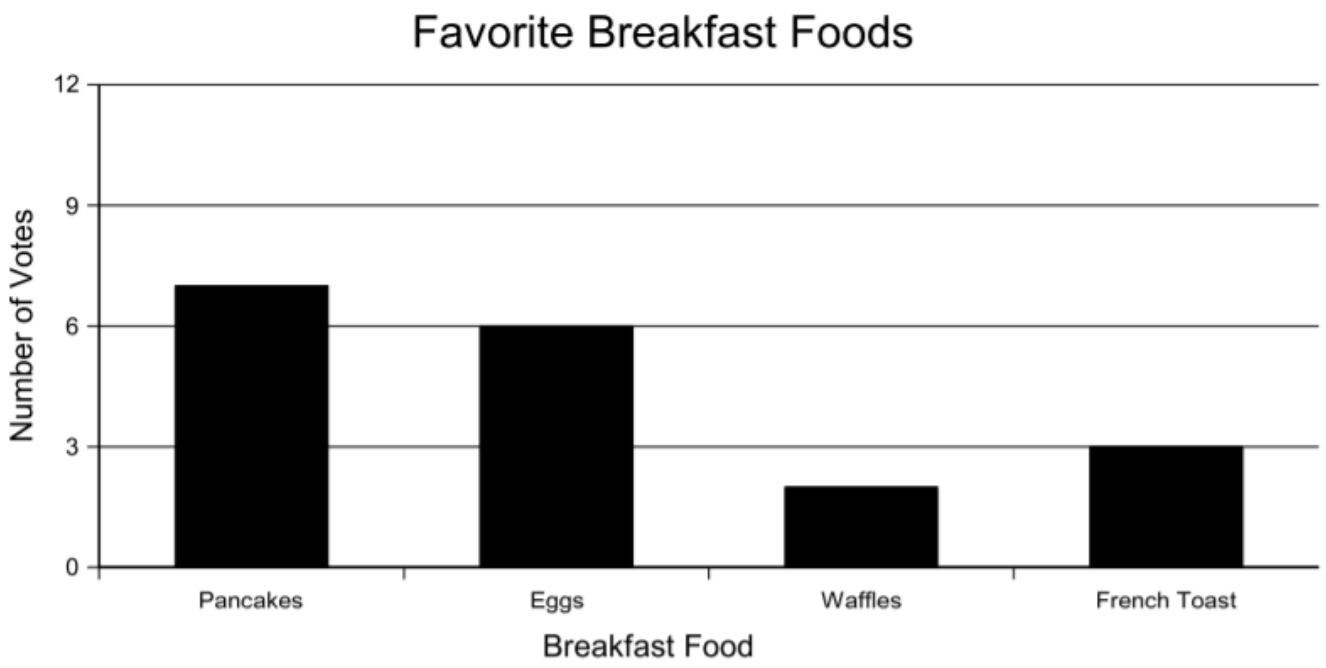
4. Are the numbers on the scale counting by 20's, 30's, 40's or 50's? 4. _____

5. Do the horizontal lines on the graph show increments of 20's, 30's, 40's, or 50's? 5. _____

6. Which class recycled the most newspapers? 6. _____

7. How many ponds of newspaper were recycled in all? Show your work below. 7. _____

Exit Ticket:



1. Complete the table:

Breakfast Food	Number of Votes
waffles	
	6
pancakes	
	3

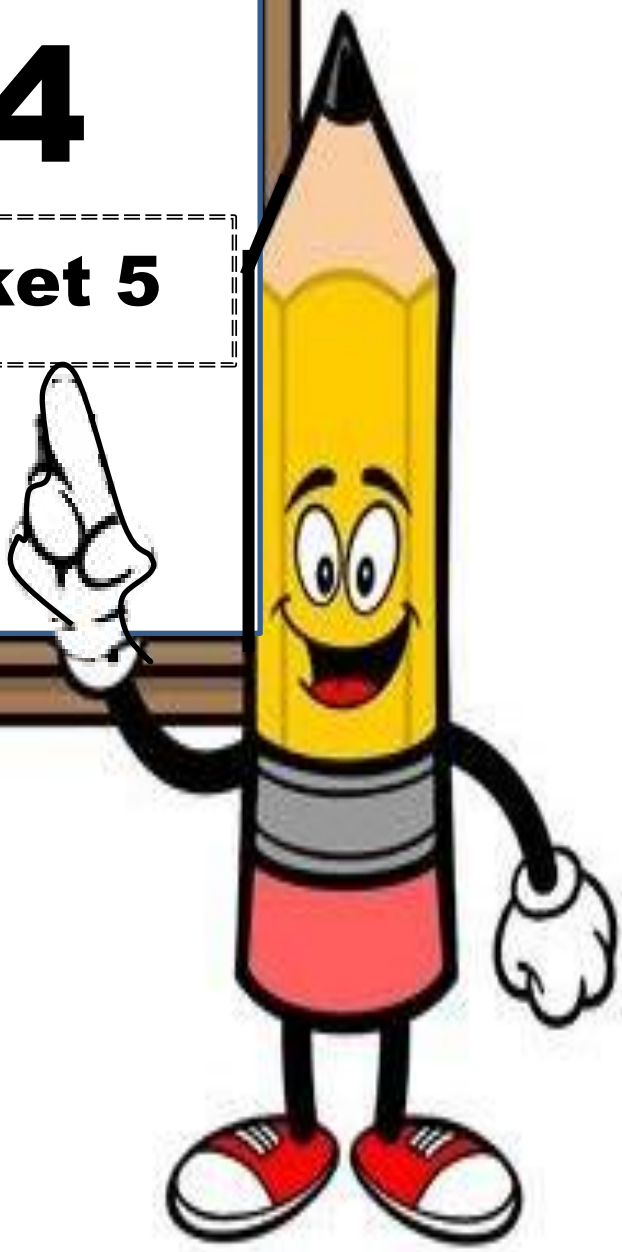
2. How many people chose eggs as their favorite breakfast food? 2. _____

3. How many people chose waffles? 3. _____

Brighter Choice
Charter School for Boys

Day # 4

End of Year Packet 5



Name:_____ Week 39 Day 4 Date:_____

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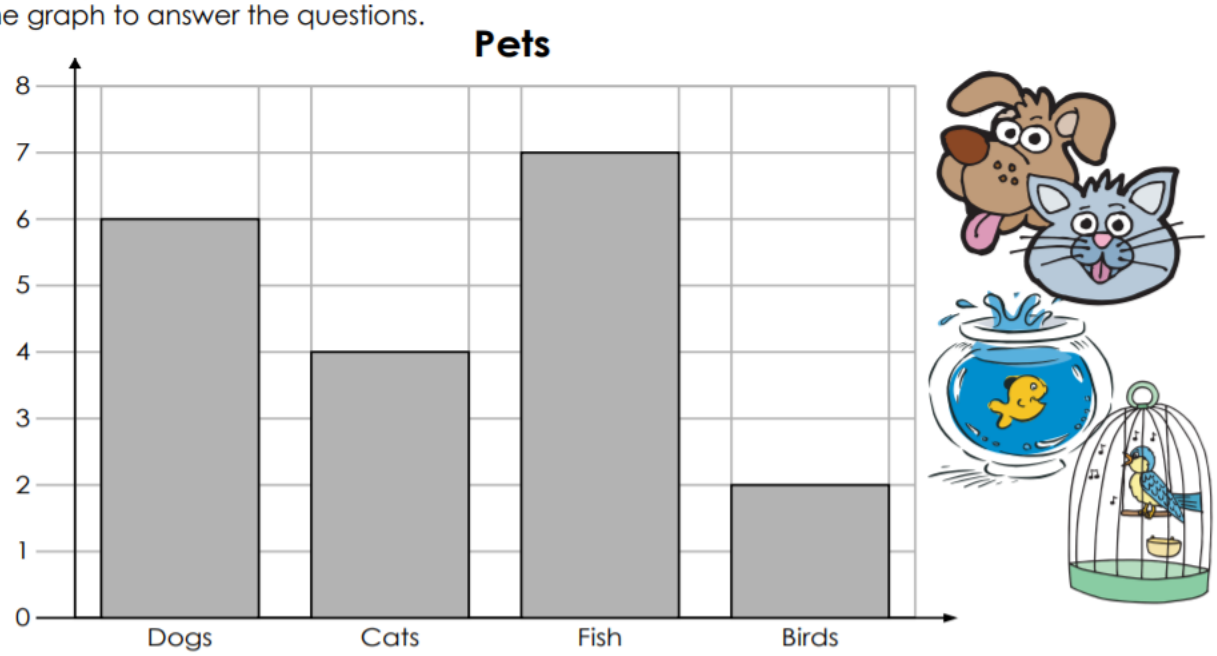
Do Now

This is a graph of pets that belong to the students of Miss Smith's class. Use the information from the graph to answer the questions.



1. How many dogs do the students have? 1. _____

2. How many birds do they have? 2. _____

3. How many cats do they have? 3. _____

4. How many fish do they have? 4. _____

5. Do they have more fish or cats? 5. _____

Key Terms:

Pictograph – a graph that uses _____ or _____ to represent _____

Ex:

Variety	Amount of Apples sold (in Kg)
Fuji	
Kiku	
Golden delicious	
Red delicious	
Ambrosia	
Key :  Represents 4 Kg	

Key – lets you know how many of each _____ stands for

Ex:

Mode of transport	Number of students
Bus	
Car	
Walking	
Bicycle	
Key :  Represents 3 children	

Input Activity

Problem 1

Mrs. French and Mr. Miskey are planning a party for their classes. The studer sked to vote for their favorite ice cream flavor. The list below are the results.

Chocolate - 8
Vanilla - 7
Chocolate Chip - 13
Cookie Dou
Strawberry- 5

Use the information from the list to complete the pictograph below and answer the questions.

Flavor	Number of Votes
Chocolate	
Vanilla	
Chocolate Chip	
Cookie Dough	
Strawberry	

KEY

= 2 votes

1. What two flavors did the students like the least? 1. _____

2. How many students voted for either cookie dough or strawberry? 2. _____

3. How many more students voted for chocolate chip than vanilla? 3. _____

4. How many votes were there in all? 4. _____

Problem 2

Four Girl Scouts sold cookies for one month. The list below shows how many boxes were sold by each Girl Scout.

Isabella - 40 boxes **Sam - 35 boxes**

Emma - 15 boxes **Grace - 50 boxes**

Use the information from the list to complete the pictograph below and answer the questions.

Name	Cookie Sales
Isabella	
Emma	
Sam	
Grace	

KEY
Each  = 5 boxes

1. How many boxes of cookies did the girls sell in all? 1. _____

2. How many more boxes of cookies did Isabella sell than Emma? 2. _____

3. Which two girls sold a total of 75 boxes of cookies? 3. _____

4. Half of the cookies sold by Grace were Thin Mints. How many boxes of Thin Mints did Grace sell? 4. _____

Problem 3

Four Boy Scouts sold popcorn for one month. The list below shows how much money was collected by each Boy Scout.

John - $75 **Logan - $30**

Carter - $60 **Andrew - $45**

Use the information from the list to complete the pictograph below and answer the questions.

Name	Money Collected
John	
Carter	
Logan	
Andrew	

KEY
Each ($) = 5 dollars

1. How much money did the boys collect in all? 1. _____

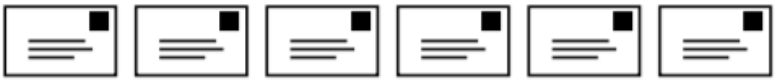
2. How much more money did Carter collect than Andrew? 2. _____

3. Which two boys sold a total of $120 of popcorn? 3. _____

4. Who sold more popcorn than Logan, but less than Carter? 4. _____

Problem 4:

The pictograph below shows how much mail was processed by the Stowe Post Office. Use the pictograph to answer the questions.

DAY	PIECES OF MAIL PROCESSED AT THE STOWE POST OFFICE
Mon., July 6	
Tues., July 7	
Weds., July 8	
Thurs., July 9	
Fri., July 10	

KEY	 = 2,000 pieces of mail

1. What does each  symbol stand for? _____

2. Which day did they process the most mail? _____

3. How much more mail was processed on Thursday than Monday? _____

4. A post office employee says, "We always process more mail on Mondays than we do on Tuesdays." Is this true? Explain your answer.

_____

5. How many symbols would be used to represent 3,000 pieces of mail on the pictograph? _____

6. 11,000 pieces of mail were processed on July 10. Complete the pictograph to show this amount.

Problem 5:

French's Restaurant opened in 2008. The pictograph below shows how many customers they have had each year since they opened.

Customers at French's Restaurant

Year	*Number of Customers*
2008	🍽 🍴
2009	🍽 🍽 🍽 🍽
2010	🍽 🍽 🍽 🍽 🍽 🍽
2011	🍽 🍽 🍽 🍽 🍽 🍽 🍽 🍴

🍽 = 1,000 customers

1. What does each 🍽 symbol stand for? 1. _____

2. What does each 🍴 symbol stand for? 2. _____

3. How many customers did French's have in 2011? 3. _____

4. How many more customers did French's have in 2010 than in 2008? 4. _____

5. What is the first year French's had more than 2,000 customers? 5. _____

6. If the trend continues, make a prediction about the number of customers they will have in 2012. Explain your prediction.

_____

_____

Problem Set

Title: Number of Students at Elm Street School

Table

Grade	Number of Students
Kindergarten	35
1st	40
2nd	25
3rd	35
4th	30

Pictograph

Grade	Number of students
Kindergarten	☺ ☺ ☺ ☾
1st	
2nd	
3rd	
4th	

Key	Each ☺ = 10 students

1. **Use the data in the table to complete the pictograph.**

2. **How are the pictograph and the table alike?**

   _____

3. **How are the pictograph and the table different?**

   _____

4. **What is the purpose of the pictograph's key?**

   _____

5. **Describe how you would find the total number of students at Elm Street School.**

   _____

6. **What is the total number of students at Elm Street School? Show your work in the space below.**

Application Problem

The Cupcake Bakery makes cupcakes and ships them off to supermarkets across the country. The pictograph below shows how many cupcakes they bake each day. Use the information from the graph to answer the questions.

Number of Cupcakes Baked

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

 = 100 cupcakes

1. How many cupcakes were baked on Monday? 1. _____
2. Were more cupcakes baked on Monday or Friday? 2. _____
3. On which day were the fewest cupcakes baked? 3. _____
4. How many cupcakes were baked on Tuesday and Wednesday combined? 4. _____
5. How many more cupcakes were baked on Tuesday than Thursday? 5. _____
6. How many more cupcakes were baked on Friday than Wednesday? 6. _____
7. The Cupcake Bakery only makes two kinds of cupcakes: chocolate and white. On Friday, they baked 200 white cupcakes. How many chocolate cupcakes did they bake? 7. _____
8. On Wednesday, the bakery made 100 chocolate cupcakes. How many white cupcakes did they make? 8. _____

Exit Ticket:

Pat, Jim, Linda, and Paul went on a bird watching walk.
The pictograph below shows how many birds each person saw.

Birdwatching Trip

Name	Number of Birds Seen
Pat	
Jim	
Linda	
Paul	

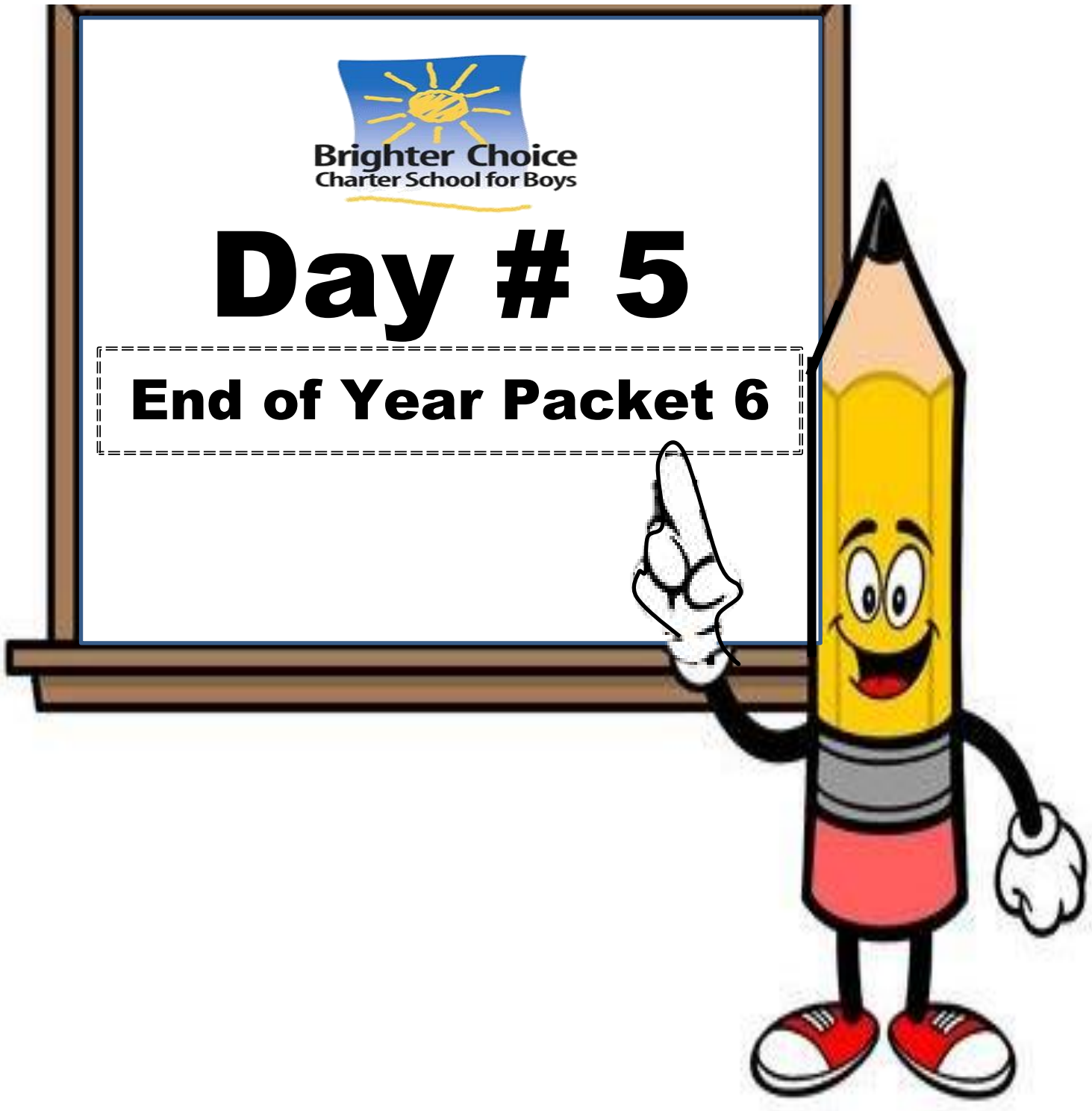
Each  represents 2 birds

1. **How many birds did Pat see?** 1. _____
2. **How many birds did Jim see?** 2. _____
3. **How many birds did Paul see?** 3. _____
4. **How many more birds did Paul see than Linda?** 4. _____
5. **How many birds did Jim and Pat see together?** 5. _____

Brighter Choice
Charter School for Boys

Day # 5

End of Year Packet 6



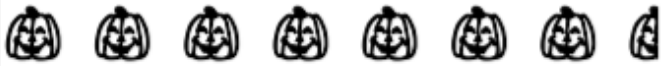
Name:_____ Week 39 Day 5 Date:_____

BCCS-Boys Stanford MIT

Do Now

Monica, Wayne, Kiersten, and Derrick were in a pumpkin carving contest. There was a prize for the person who carved the most pumpkins.

Number of Pumpkins Carved

Monica	
Wayne	
Kiersten	
Derrick	

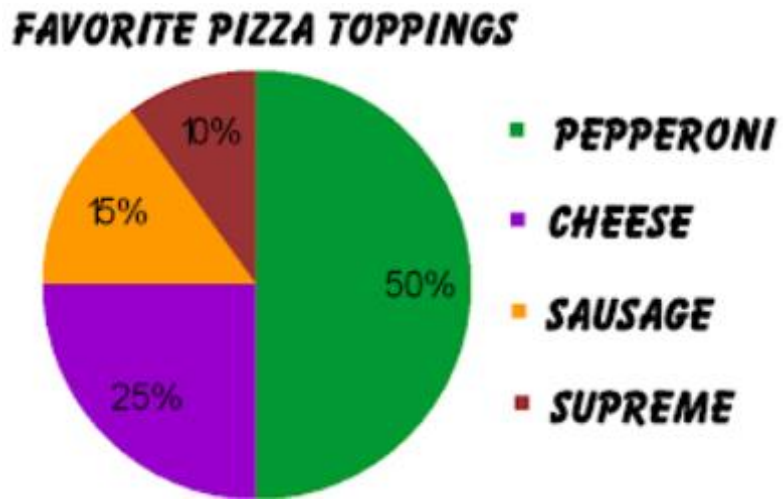
 **= 4 pumpkins**

1. **How many pumpkins did Monica carve?** 1. _____
2. **How many pumpkins did Wayne carve?** 2. _____
3. **How many pumpkins did Kiersten carve?** 3. _____
4. **How many pumpkins did Derrick carve?** 4. _____
5. **How many more pumpkins did Derrick carve than Kiersten?** 5. _____
6. **How many pumpkins did Monica and Wayne carve in all?** 6. _____
7. **Which person carved the greatest number of pumpkins?** 7. _____
8. **Which person carved the least number of pumpkins?** 8. _____

Key Terms:

Pie Chart (Circle Graph) – a _____ graph that is divided into _____ represent data

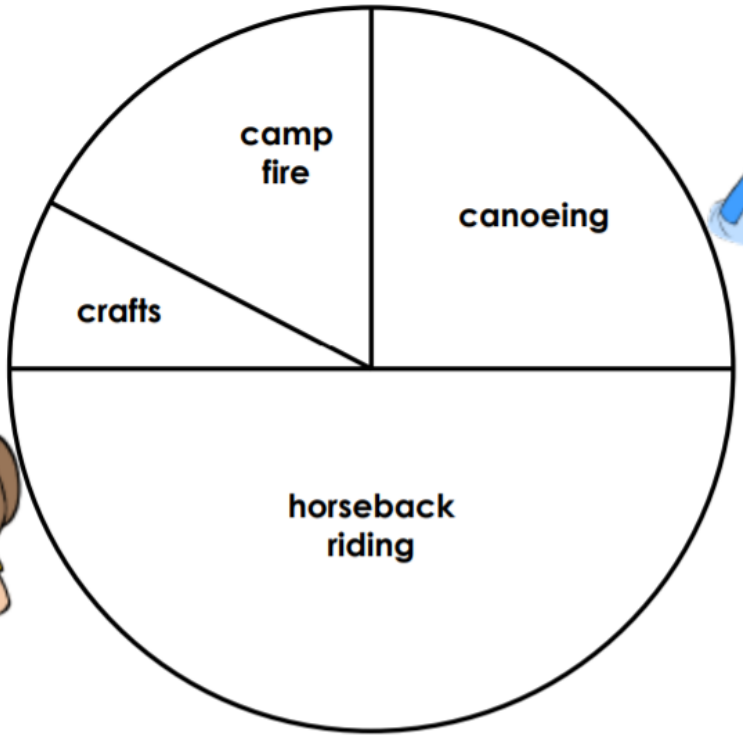
Ex:



Input Activity

Problem 1

A group of kids spent a week at Big Tree Summer Camp. At the end of the week, the counselors asked campers what their favorite part of camp was. The pie graph shows their responses.



1. What activity did campers enjoy the most?

1. _____

2. What fraction of the campers chose canoeing as their favorite activity?

2. _____

3. What fraction of the campers chose horseback riding as their favorite activity?

3. _____

4. Did more campers choose camp fires or crafts as their favorite activity?

4. _____

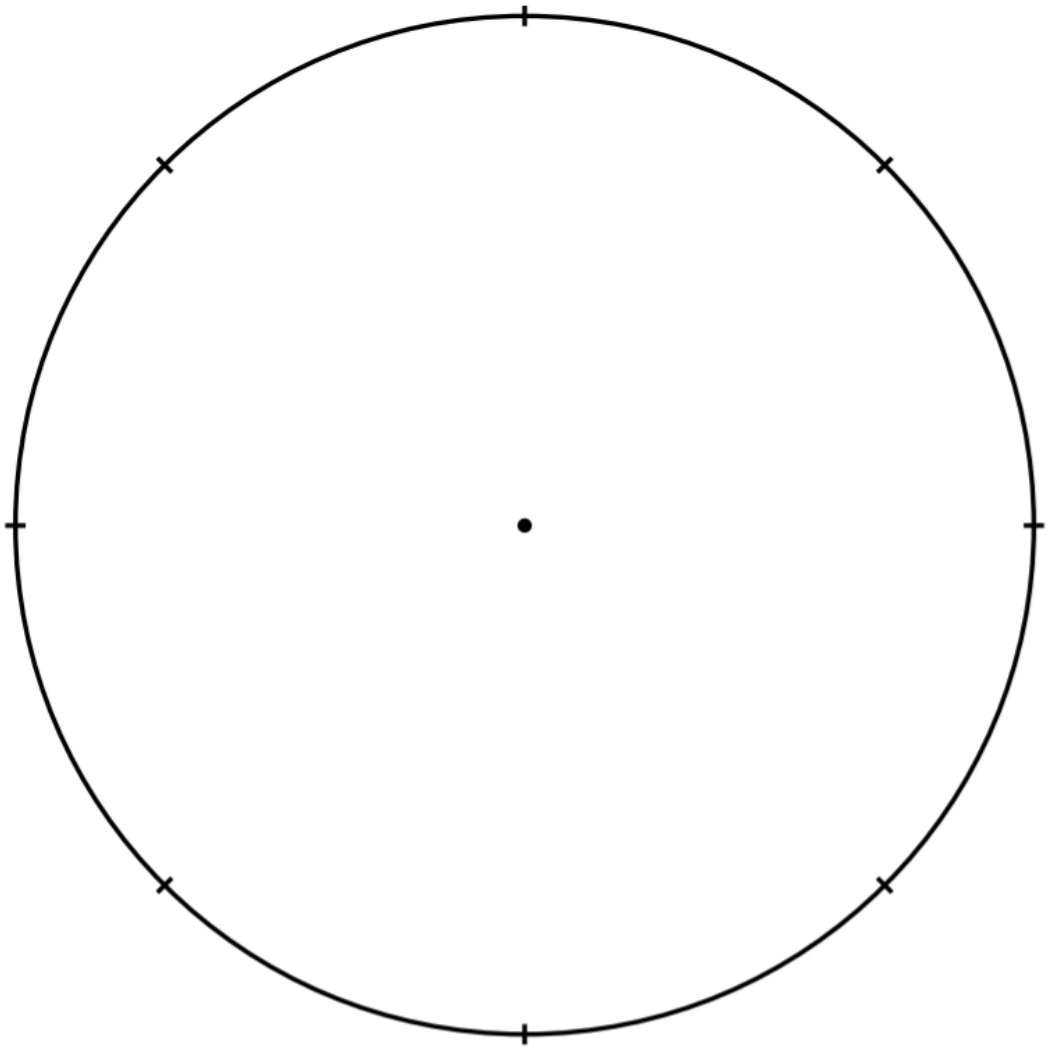
5. Was camp fire or canoeing more popular with the campers?

5. _____

Problem 2

Patty surveyed her friends to find out their favorite sports. The table shows the results. Make a circle graph using the information in the table.

football	𝍸 𝍸
baseball	𝍸
tennis	𝍸
basketball	𝍸 𝍸 𝍸 𝍸
hockey	𝍸



Problem 3

Use the circle graph you made to answer the questions.

1. What fraction of Patty's friends said football was their favorite sport? **1.** _____

2. What fraction said hockey was their favorite sport? **2.** _____

3. How many more people chose basketball than tennis? **3.** _____

4. About one half of Patty's friends chose which sport? **4.** _____

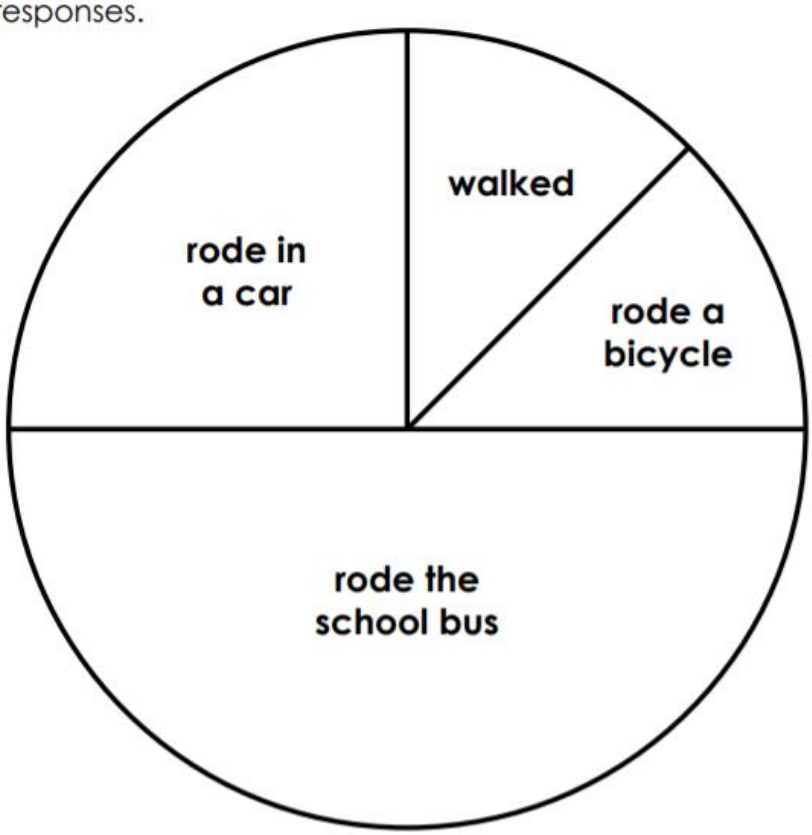
5. About one quarter of Patty's friends chose which sport? **5.** _____

6. What fraction of Patty's friends chose baseball or tennis? **6.** _____

7. What fraction of Patty's friends chose football or basketball? **7.** _____

Problem 4:

Mrs. Ricardo asked her students how they got to school today. She made a pie graph of their responses.



1. What fraction of students came to school on a bus? 1. _____

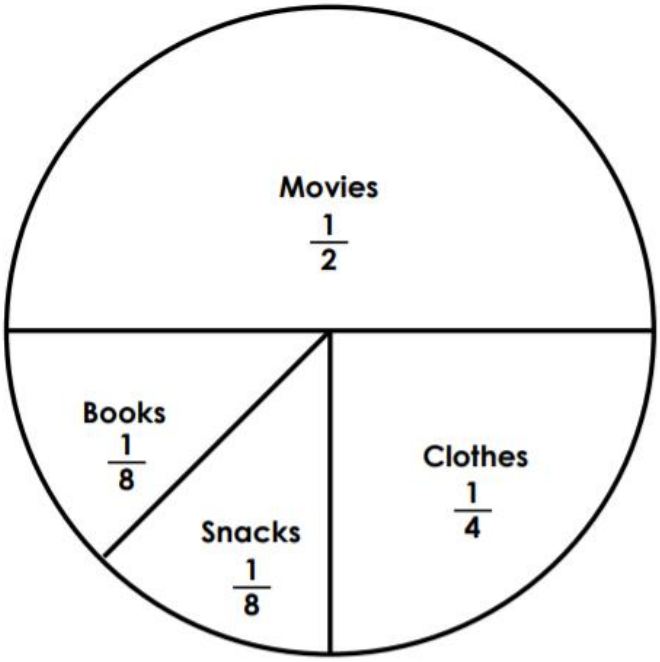
2. What fraction of the students rode to school in a car? 2. _____

3. What fraction of students walked to school? 3. _____

4. Did more students ride their bicycle to school or ride in a car? 4. _____

Problem 5:

Contessa had earned $100 washing cars. She made a pie graph to show how she spent the money.



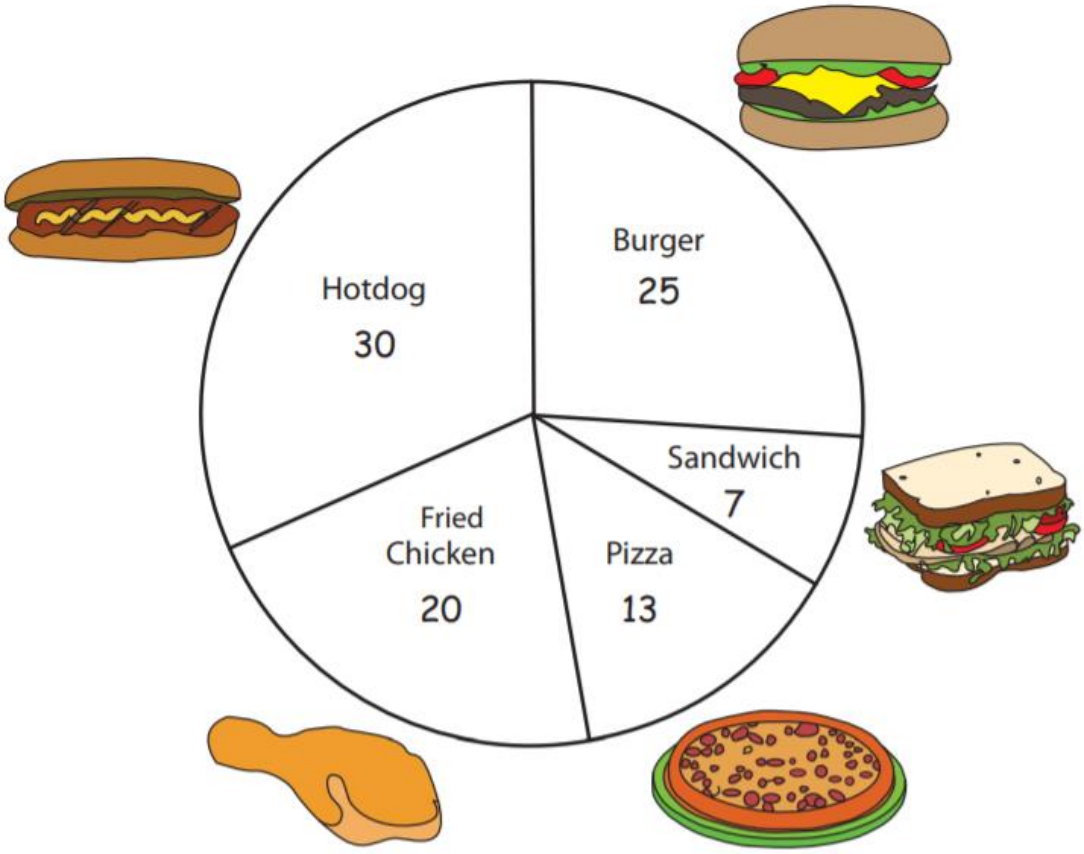
1. How much money did Contessa spend at the movies? 1. _____

2. How much money did she spend on clothes? 2. _____

3. How much money did she spend on snacks? 3. _____

Problem Set

Rock Restaurant surveyed a sample of customers on their favorite food. They made a pie graph with the survey results. Read the pie graph and answer the questions.



1) Which is the most favorite among the customers? _____

2) How many customers like fried chicken? _____

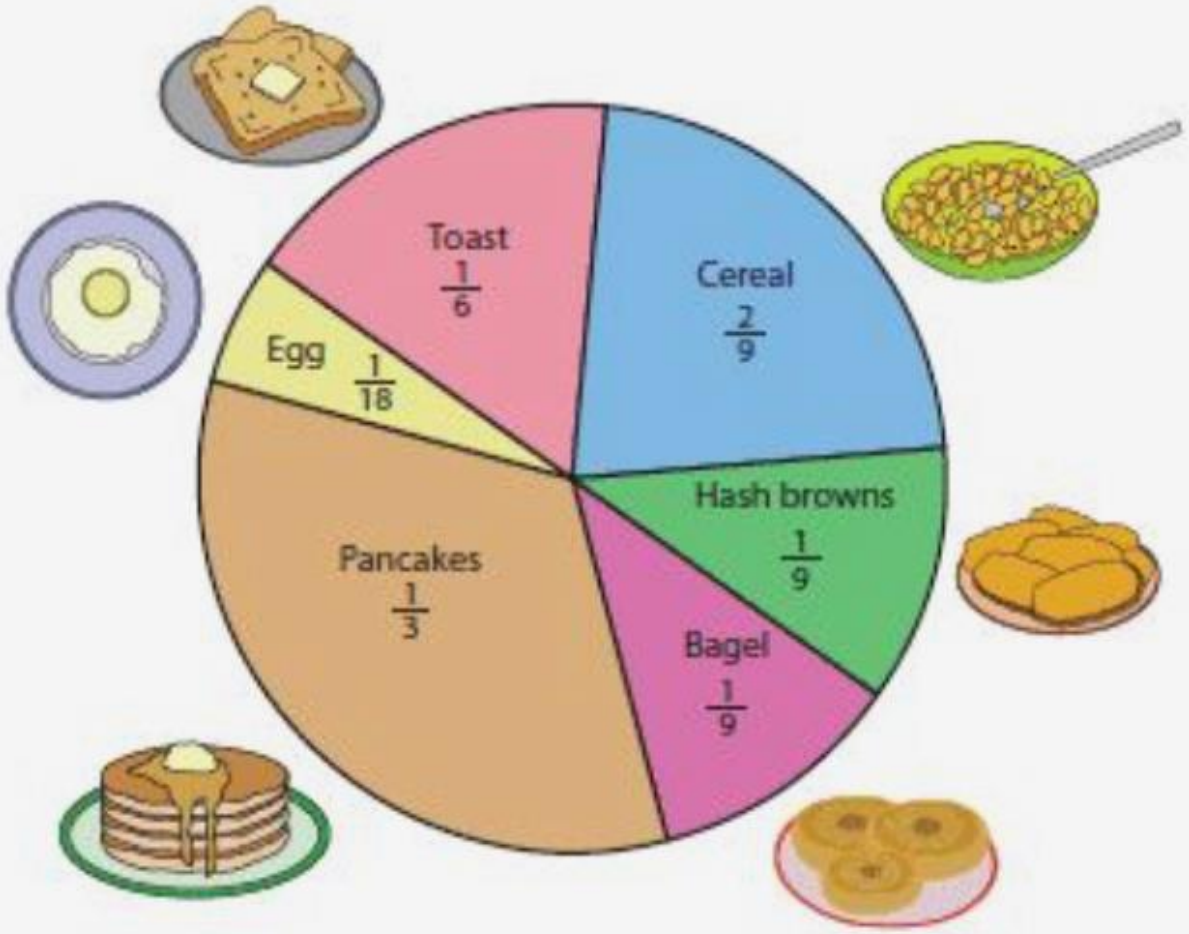
3) Which is the least favorite food? _____

4) How many customers voted for burger as their favorite? _____

5) How many customers participated in the survey? _____

Application Problem

108 people were surveyed on their favorite breakfast. The pie graph is made according to their responses. Use the pie graph and answer the questions.



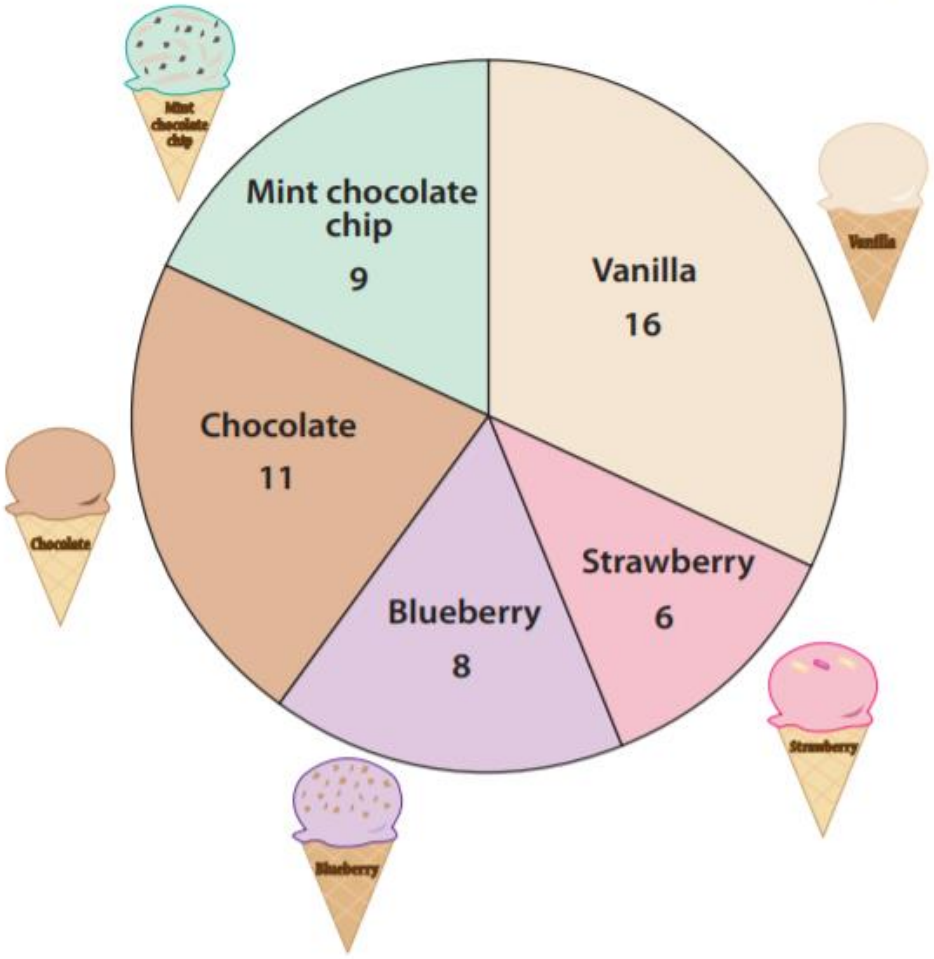
1. How many people like to eat cereal for breakfast? _____

2. Which food got half the number of votes of bagel? _____

3. How many people would like to have toast? _____

Exit Ticket:

Peter carried out a survey among students to find their favorite ice cream flavor. He made a pie graph with the survey results. Analyze the pie graph and use the data to answer the questions.



1) Which ice cream is the most popular among the students? _____

2) How many students participated in the survey? _____

3) Which is the least favorite ice cream? _____

4) How many students like mint chocolate chip ice cream? _____

5) How many students like either the chocolate flavor or blueberry flavor? _____