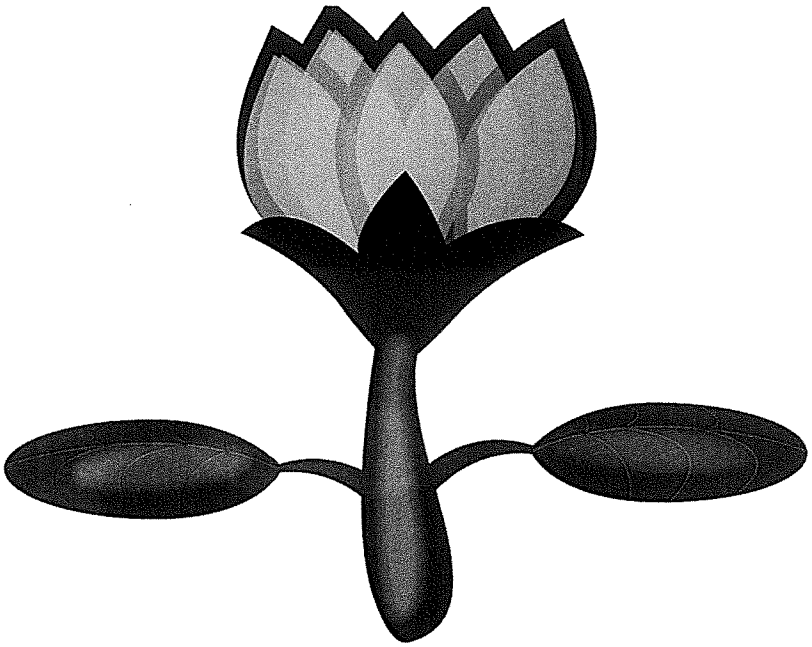
5th Grade Math

Week of May 17 - May 21, 2021



Name _____

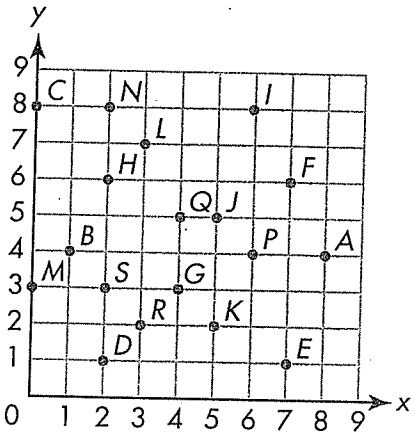
* Please do not complete until advised by teacher*

Monday, 5/17/21 Exit Ticket Lesson 14-1

Write the ordered pair for each point on the grid.

1. G _____ 2. I _____

3. M _____ 4. A _____



Name the point that is located at each ordered pair.

5. (8, 4) Point _____ 6. (2, 3) Point _____

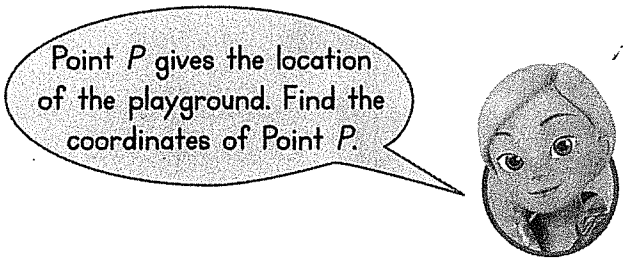
7. (1, 4) Point _____ 8. (5, 5) Point _____

Name _____

Practice Video Tools Games

Additional Practice 14-1
The Coordinate System

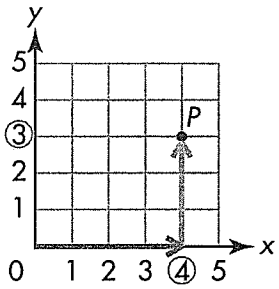
Another Look!



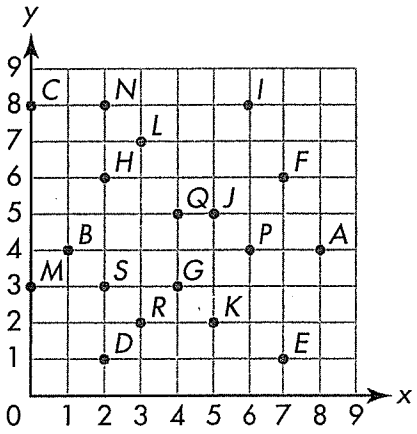
Start at (0, 0). Move a distance of 4 units to the right along the *x*-axis.

Move a distance of 3 units up.

The coordinates of Point *P* are (4, 3).



In **1–6**, write the ordered pair for each point on the grid.



1. *A**2.** *B**3.** *C*

4. *D**5.** *E**6.** *F*

In **7–18**, name the point that is located at each ordered pair.

7. (4, 3) Point _____ **8.** (3, 7) Point _____ **9.** (0, 3) Point _____

10. (5, 2) Point _____ **11.** (6, 8) Point _____ **12.** (6, 4) Point _____

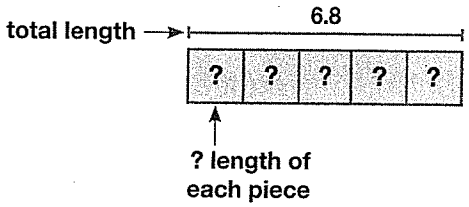
13. (4, 5) Point _____ **14.** (2, 8) Point _____ **15.** (5, 5) Point _____

16. (2, 6) Point _____ **17.** (2, 3) Point _____ **18.** (3, 2) Point _____

19. Describe to a friend how to graph a point at (2, 5).

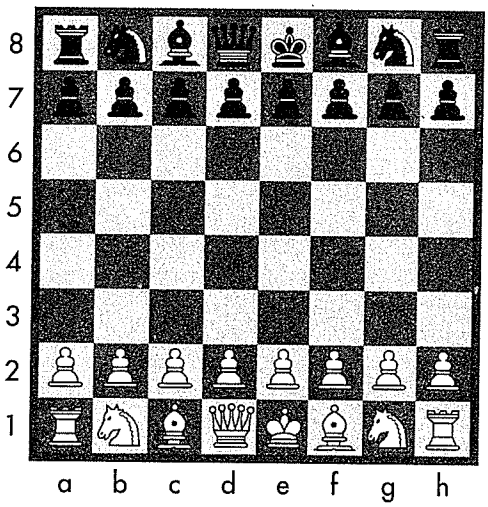
20. Reasoning How are the locations on a coordinate grid different for the ordered pairs (7, 0) and (0, 7)?

21. Steven cut a wire into 5 equal pieces. He started with a wire that was 6.8 meters long. How many meters long was each piece that Steven cut? Use the bar diagram to help you.



In **22** and **23**, use the chessboard.

22. Higher Order Thinking A chessboard is similar to a coordinate grid. The pieces that look like horses are knights. What letter-number combinations name the locations of the white knights?



23. Andre moves the pawn located at (e, 7) down 2 units. What letter-number combination names the pawn's new location? Explain.

Assessment Practice

24. Point *D* is 2 units away from the origin along the *x*-axis and 4 units away along the *y*-axis.

What could be the coordinates of Point *D*?

Ⓐ (4, 2)

Ⓑ (2, 2)

Ⓒ (2, 4)

Ⓓ (6, 0)

Tuesday, 5/18/21 Exit Ticket Lesson 14-1 Day 2

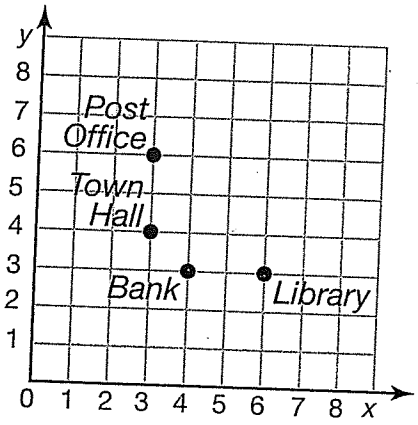
Nancy made a map of her town. Identify the ordered pair for each location in her town.

1. Post Office _____

2. Town Hall _____

3. Bank _____

4. Library _____



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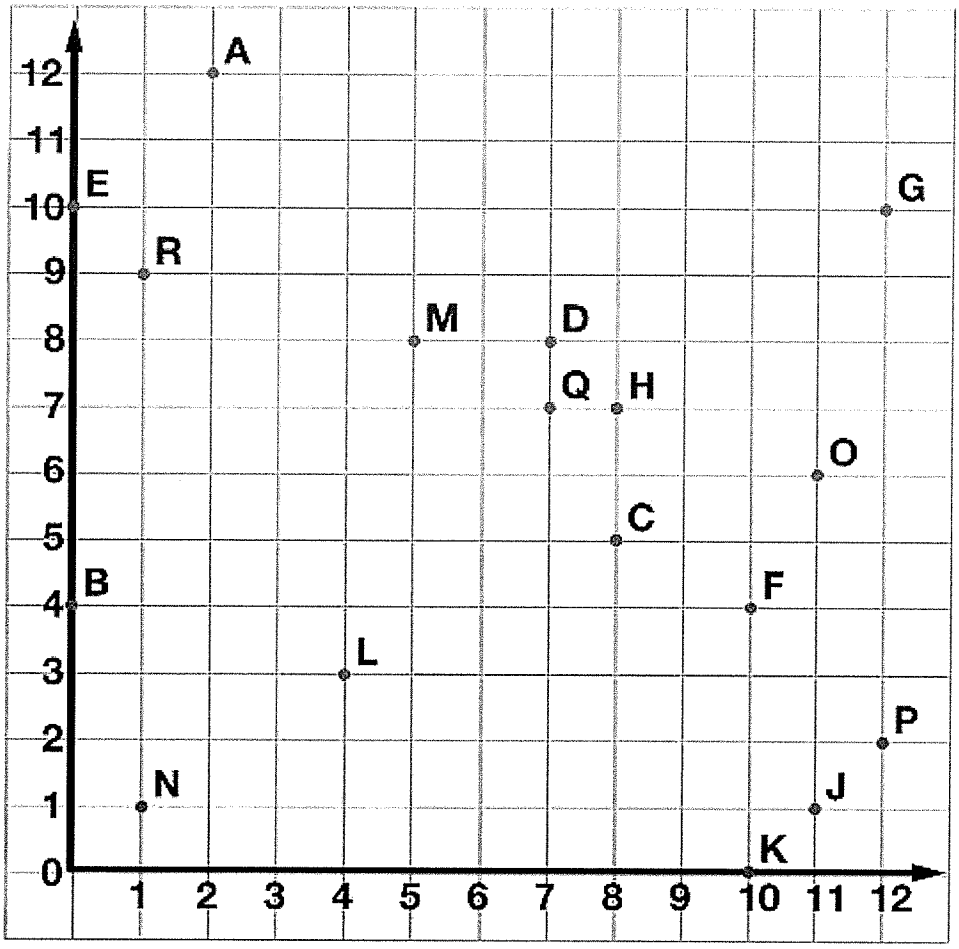
Ordered Pairs



Tell what point is located at each ordered pair.

1. **(5,8)** _____
2. **(12,2)** _____
3. **(8,7)** _____
4. **(12,10)** _____
5. **(7,7)** _____
6. **(0,10)** _____

Write the ordered pair for each given point.

7. **N** _____
8. **L** _____
9. **J** _____
10. **A** _____
11. **B** _____
12. **E** _____

Plot the following points on the coordinate grid.

13. **S (6,11)**
14. **T (3,5)**
15. **U (9,12)**

Wednesday, 5/19/21 Exit Ticket Lesson 14-2

1. Explain to a friend how to graph the point (2, 4).

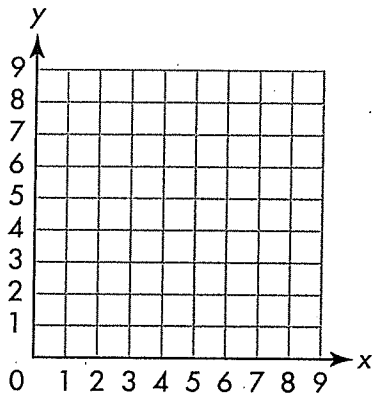
In 2 – 7, graph and label each point on the grid at the right.

2. A (1, 3)

3. B (0, 8)

4. C (6, 7)

5. D (4, 9)



Name _____ Practice Video Tools Games

Additional Practice 14-2
Graph Data Using Ordered Pairs

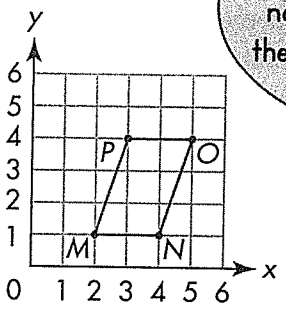
Another Look!

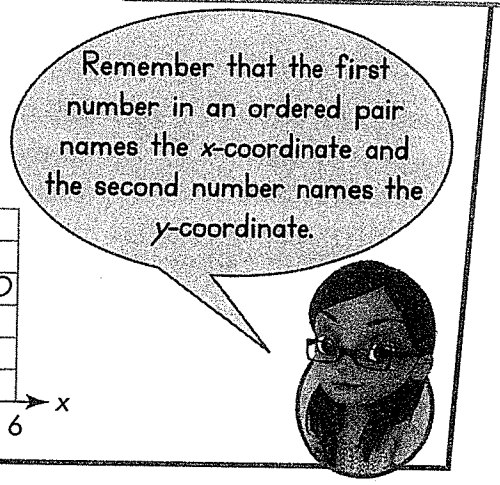
Graph the following four points and connect them to form a parallelogram.

M (2, 1) *N* (4, 1) *O* (5, 4) *P* (3, 4)

Graph (2, 1) first. Start at (0, 0). Move 2 units to the right from the *y*-axis. Then move one unit up. Draw a dot to represent (2, 1) and label the point *M*.

Graph the remaining 3 points in the same way. Then draw line segments between the points to form a parallelogram.





1. Explain to a friend how to graph the point (1, 5).

In **2–13**, graph and label each point on the grid at the right.

2. *A* (1, 2)

3. *B* (0, 7)

4. *C* (3, 3)

5. *D* (8, 9)

6. *E* (6, 0)

7. *F* (5, 4)

8. *G* (2, 8)

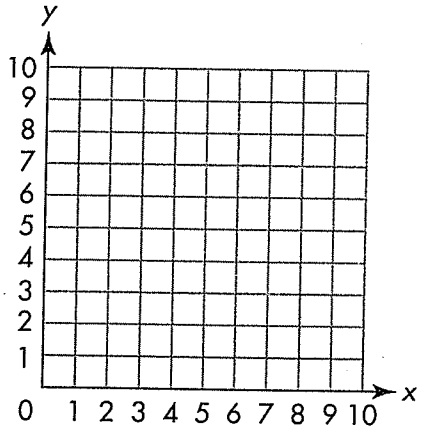
9. *H* (1, 6)

10. *I* (7, 4)

11. *J* (0, 0)

12. *K* (1, 4)

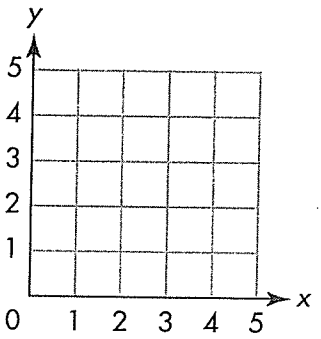
13. *L* (4, 1)



14. Explain the difference in how you graphed points *K* and *L* on the coordinate grid.

15. Graph the points below on the grid at the right.

D (1, 1) E (4, 1) F (3, 3) G (2, 3)



16. Kimberly wants to draw line segments to connect the points to form a shape. What would be the most appropriate tool for her to use?

17. What is the name of the shape Kimberly forms by connecting the points? Be as specific as possible.

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18. Critique Reasoning Franco said that $5 + 2 \times 30 = 210$. Is he correct? Explain.

19. At a ski lift, 47 people are waiting to board cars. Each car can hold 6 people. How many cars will be completely filled? How many people are left to board the last car?

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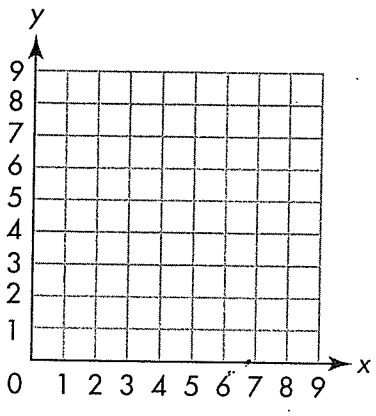
20. Higher Order Thinking One side of a rectangle is parallel to the x-axis. One vertex of the rectangle is located at (5, 2) and another vertex at (1, 4). What are the coordinates of the other two vertices?

21. Andi needs $5\frac{1}{2}$ yards of fabric for a project. She has a piece that is $3\frac{1}{4}$ yards at school and a piece that is $1\frac{1}{2}$ yards at home. How much more fabric does she need?

Assessment Practice

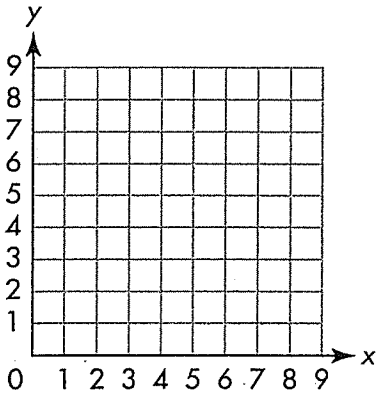
22. Connor visits the following locations: museum at M (4, 0), sports center at S (5, 2), and bookstore at B (7, 8). Graph and label each location on the grid at the right.



Thursday, 5/20/21 Exit Ticket Lesson 14-2 Day 2

Graph and label each of the following five points on the coordinate grid. Connect the points to form a shape.

1. D (5, 8) 2. E (8, 7) 3. G (3, 4) 4. H (2, 7)



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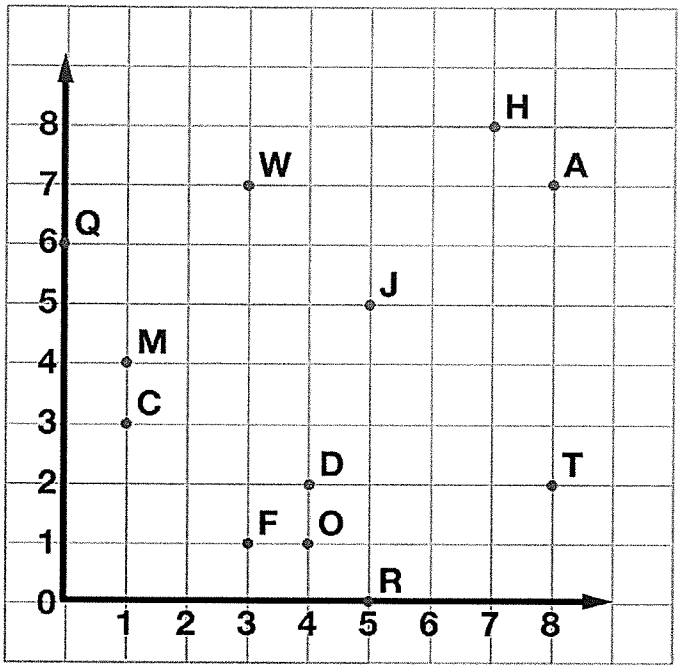
Coordinate Grid - Ordered Pairs



Tell what point is located at each ordered pair.

1. (3,1) _____ **2.** (7,8) _____

3. (1,4) _____ **4.** (5,0) _____

5. (8,7) _____ **6.** (4,2) _____

7. (5,5) _____ **8.** (1,3) _____

Write the ordered pair for each given point.

9. A _____ **10.** T _____ **11.** W _____

12. O _____ **13.** Q _____

Plot the following points on the coordinate grid.

14. B (2,8) **15.** E (0,7) **16.** X (6,3)

17. S (8,5) **18.** P (2,1) **19.** G (7,7)

20. Start at point (0,0). Go right three spaces.
Then, go up seven spaces. What point do you land on? _____

21. Start at point C. Go right seven spaces.
Then, go down one space. What point do you land on? _____

Standards Review

Practice Adding and Subtracting Decimals

Solve the problems.

1 Randy rode his bike 1.23 miles to school from his house. After school, he rode 0.9 mile farther to the library. Randy biked home along the same route, stopping at a park 1.05 miles from the library. How many miles is the park from Randy's house?

A 3.18

B 2.37

C 1.08

D 0.27

2 Tim tracked the change in outside temperature one afternoon. He recorded a temperature of 85.4°F at noon. The temperature then rose 3.85°F over the next 4 hours. At 5:00 PM, Tim recorded a temperature of 89.25°F. How did the temperature change between 4:00 PM and 5:00 PM?

A The temperature increased 0.8°F.

B The temperature decreased 0.2°F.

C The temperature increased 1°F.

D There was no change in temperature.

3 Which equation is true?

A $73.27 + 251.6 = 98.43$

B $37.04 + 56.20 = 93.6$

C $70.64 - (9.3 + 29.36) = 90.7$

D $38.2 - (11.11 + 23.76) = 3.33$

4 The sum of three decimal numbers is 6. Exactly one of the numbers is less than 1. What could the numbers be?

Show your work.

Answer _____

17 Kenton is shopping for clothes at a twelfth anniversary sale. He buys a pair of jeans priced at $24.99 and a clearance-priced shirt for $5.25. The store reduces the amount of his entire purchase by $12.12. How much does Kenton pay for his clothes?

Show your work.

This problem takes more than one step to solve.

Pair/Share

Explain how to check if your answer is reasonable.

Solution _____

18 Three boxes of cereal have masses of 379.4 grams, 424.25 grams, and 379.37 grams. What is the difference between the box of cereal with the greatest mass and the box of cereal with the least mass?

A 44.15 grams

B 44.85 grams

C 44.88 grams

D 45.12 grams

Cambria chose **D** as the correct answer. How did she get that answer?

What operation will solve this problem?

_____

_____

_____

_____

_____

Pair/Share

How could Cambria have checked her answer?

Practice Multiplying Decimals

Study the example below. Then solve problems 17–19.

The student wrote 1.25 as 1 + 0.2 + 0.05 and used an area model to solve the problem.

Example

Liam ate 0.5 of a 1.25-ounce bag of raisins. How many ounces of raisins did Liam eat?

Look at how you could show your work using an area model.

	1	0.2	0.05
0.5	$0.5 \times 1 = 0.5$	$0.5 \times 0.2 = 0.10$	$0.5 \times 0.05 = 0.025$

$0.5 + 0.10 + 0.025 = 0.625$

Pair/Share

Solve the problem without a model.

Solution 0.625 ounce

17 Gina rides her bike to work at an average of 10.4 miles per hour. She bikes 1.2 hours each day. How many miles does Gina ride each day?

Show your work.

I multiply tenths by tenths to solve this problem.

Pair/Share

What is a reasonable estimate for this problem? Explain your thinking.

Solution _____

8 If a person's hair grows 1.2 centimeters a month, how much would it grow in 9 months?

Show your work.

Will the product be in tenths or hundredths?

Pair/Share
Solve the problem using an area model.

Solution _____

9 What is the product of 1.05 and 0.7? Circle the letter of the correct answer.

A 73.5

B 7.35

C 0.735

D 0.0735

Will the product be greater than or less than 1.05?

Aaron chose **C** as the correct answer. How did he get that answer?

_____

_____

_____

_____

_____

Pair/Share
Does Aaron's answer make sense?

Practice Multiplying Decimals

Solve the problems.

1 Which of the following has a product of 25.16?

A 3.7×680

B 3.7×68

C 3.7×6.8

D 3.7×0.68

2 Willa downloads 5 songs. Three of the song files are each 2.75 MB. Two song files are each 3.8 MB. How much space does Willa need for the songs she downloads?

A 5.55 MB

B 11.55 MB

C 15.85 MB

D 27.75 MB

3 Which expression has the same value as the product of 0.11 and 4.5?

A 0.495×0.01

B 0.495×0.001

C 495×0.01

D 495×0.001

4 What multiplication problem is shown by the area model?

	2	0.8
1	2	0.8
0.3	0.6	0.24

Answer _____

5 Tyrone said that 2.35×5 equals 1.175 because there is only one digit before the decimal point in 2.35, so there must be one digit before the decimal point in the product. Use pictures, numbers, or words to explain whether or not Tyrone is correct.

Show your work.

Answer _____

6 The product below is missing a decimal point.

$$12.53 \times 5 = 6265$$

Write the product with the decimal in the correct position.

Answer _____

How did you decide where to place the decimal point in this equation?

Explain your answer.

_____

_____

_____

_____

_____

✓ Self Check **Go back and see what you can check off on the Self Check on page 1.**

Name: _____

One a Day Keeps the Doctor Away!

NOTE: In each section, do NOT connect the last point back to first point.

(X, Y)
☐ (11, 18)
☐ (10, 18)
☐ (9, 19)
☐ (6, 19)
☐ (4, 18)
☐ (3, 17)
☐ (2, 15)
☐ (2, 12)
☐ (4, 7)
☐ (5, 6)
☐ (7, 5)
STOP

(X, Y)
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☐ (9, 5)
☐ (10, 6)
☐ (11, 5)
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☐ (16, 18)
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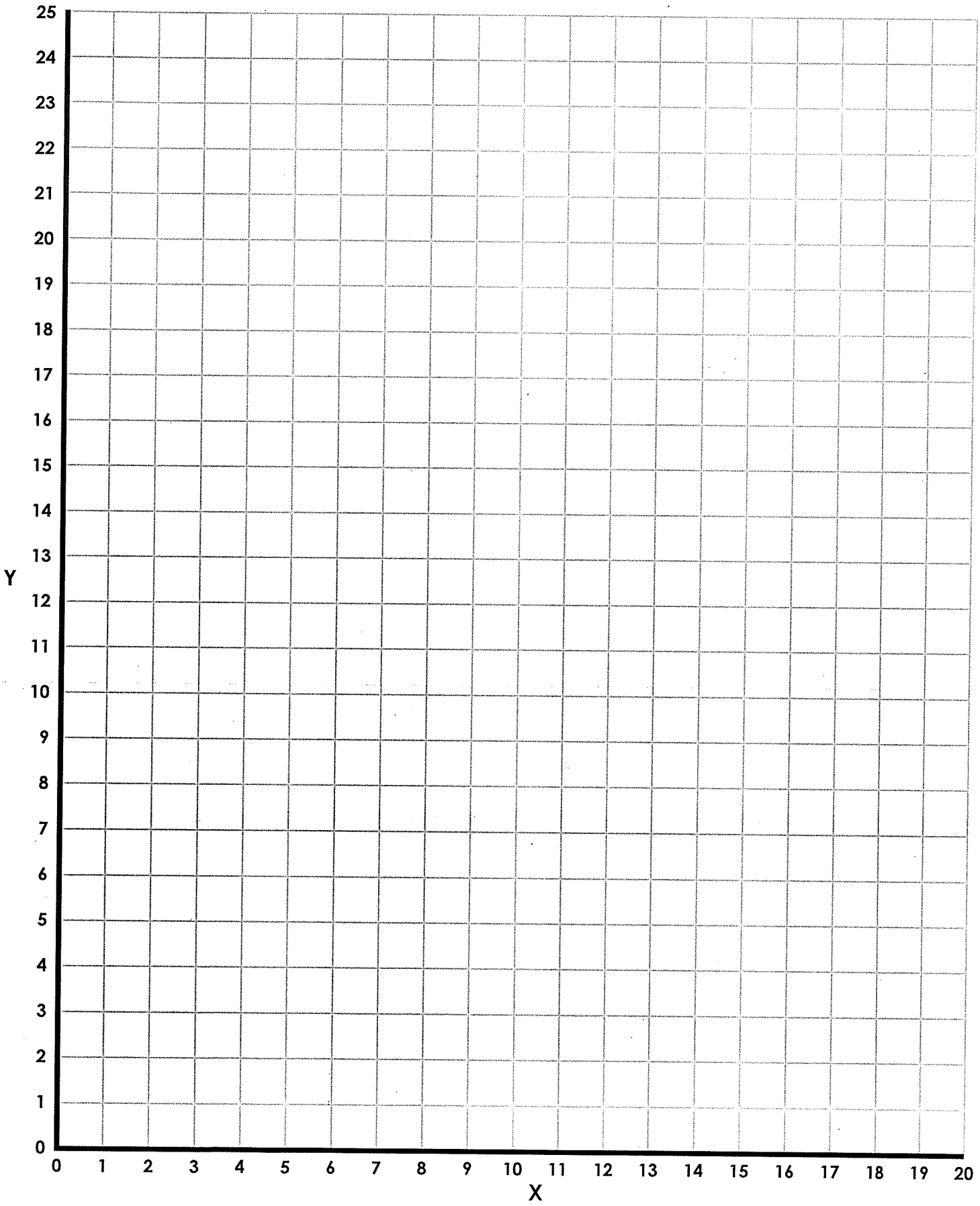
Name: _____

One a Day Keeps the Doctor Away!



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Bloomin' Awesome!

NOTE: In each section, do NOT connect the last point back to first point.

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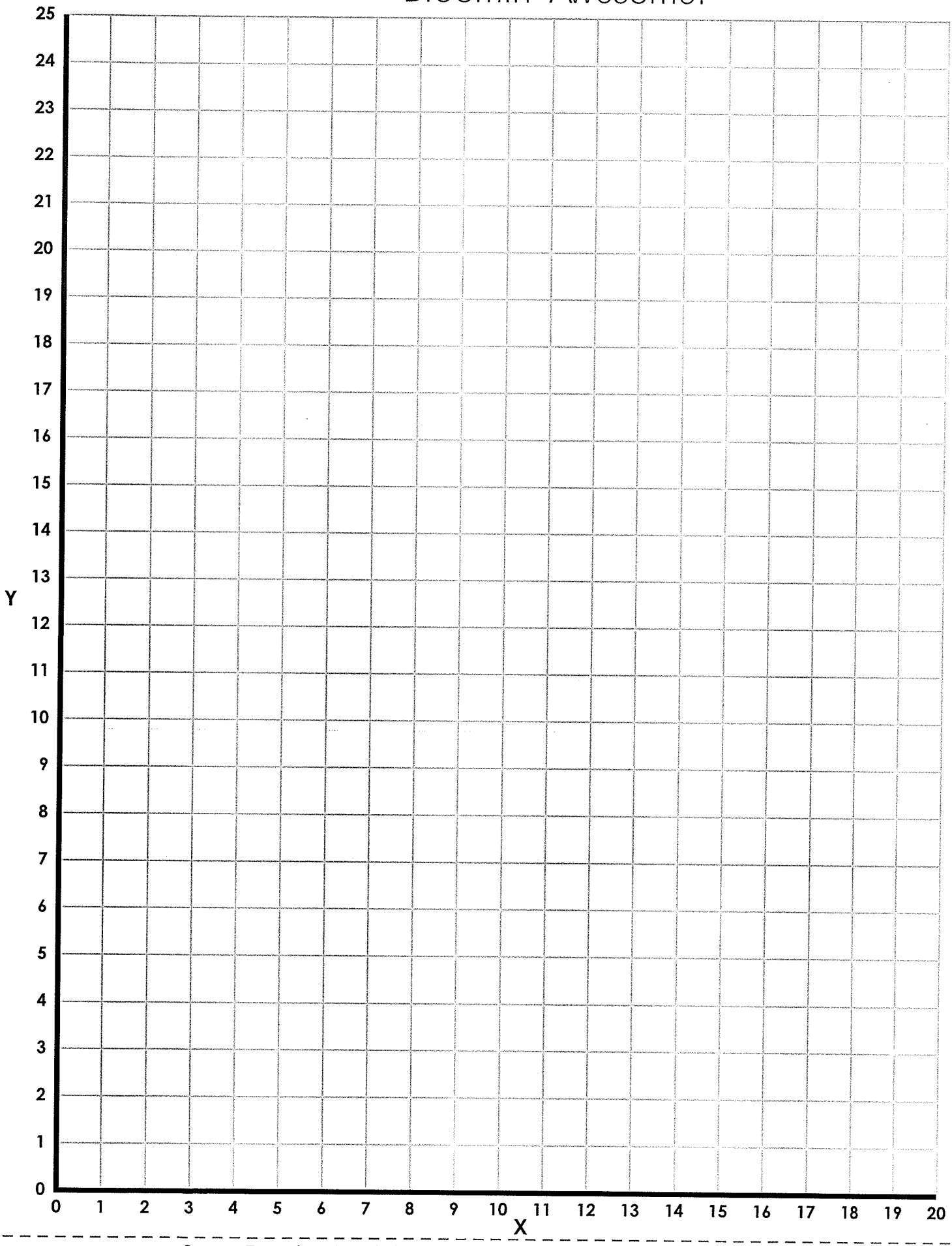
Now color your picture

Name: _____

Bloomin' Awesome!



Name _____

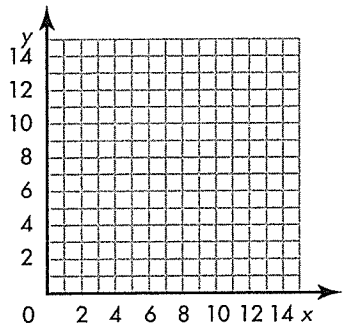
Enrichment
14-2

Graphing Equations

Use the numbers in the table to plot points on the coordinate grid.
Use the equation to find the missing coordinates in the table.
Draw a line to show the pattern.

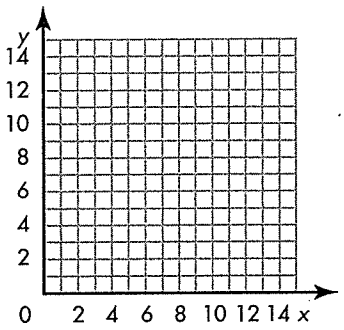
1. $y = x - 1$

x	y
1	0
2	1
3	
8	



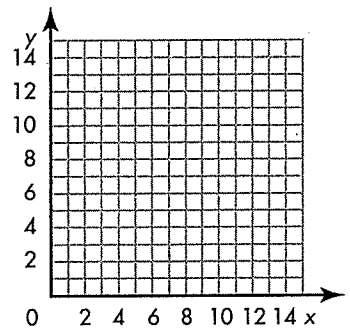
2. $y = 2 \times x$

x	y
1	2
2	
3	
	12



3. $y = x + 5$

x	y
1	
2	7
	8
9	



4. $y = 4 \times x$

x	y
	4
2	8
3	12