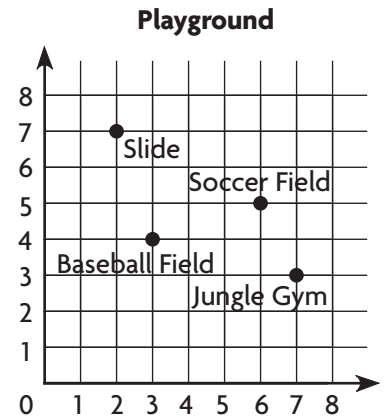


1. The coordinate grid represents the school playground. Which of the following accurately describes the location of a playground area? Mark all that apply.

- (A) The slide is 2 units left and 4 units up from the soccer field.
- (B) The baseball field is 1 unit left and 3 units down from the slide.
- (C) The jungle gym is 4 units right and 1 unit down from the baseball field.
- (D) The soccer field is 3 units right and 1 unit up from the baseball field.

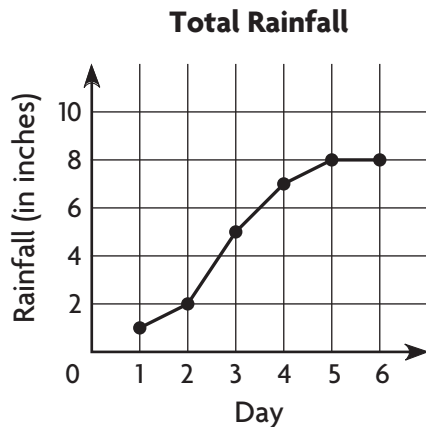


2. Amy filled bags with mixed nuts. The weights of the bags are $\frac{1}{8}$ -lb, $\frac{1}{4}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{2}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{4}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{2}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{4}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{2}$ -lb, $\frac{1}{8}$ -lb, $\frac{1}{4}$ -lb, and $\frac{1}{2}$ -lb. Organize the information in a line plot.

What is the average weight of the bags?

_____ pound(s)

3. For 6 days in a row, Alyssa recorded the total amount of rain collected in a rain gauge in her yard. The line graph shows her data. Between which two days did the amount of rain collected increase the least?



between Day and Day



4. The table shows two sequences of numbers.

Day	1	2	3	4	5
Number of CDs Sold	2	4	6	8	10
Amount Earned (\$)	10	20	30	40	?

For numbers 4a–4b, use the table to choose the correct values to describe how one sequence is related to the other.

4a. The unknown number in Day 5 is _____.

- 50
- 60
- 75

4b. The rule that describes how the number of CDs sold

relates to the amount earned is _____.

- add 8
- multiply by 5
- multiply by 10

5. Wanda made a table to figure out how much flour she uses to make muffins.

Flour in Muffins

Batches	1	2	3	4	...	6
Number of Ounces of Flour	8	16	24	32	...	48
Number of Muffins	16	32	48	64	...	?

Part A

Write a rule that relates the number of muffins to the number of ounces of flour. Explain how you can check your rule.

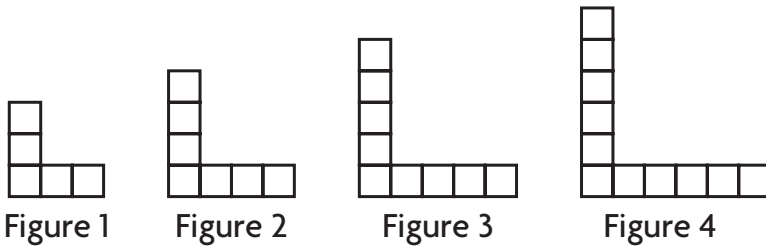
Part B

How many muffins will Wanda make if she makes 6 batches?

_____ muffins



6. Look for a pattern.

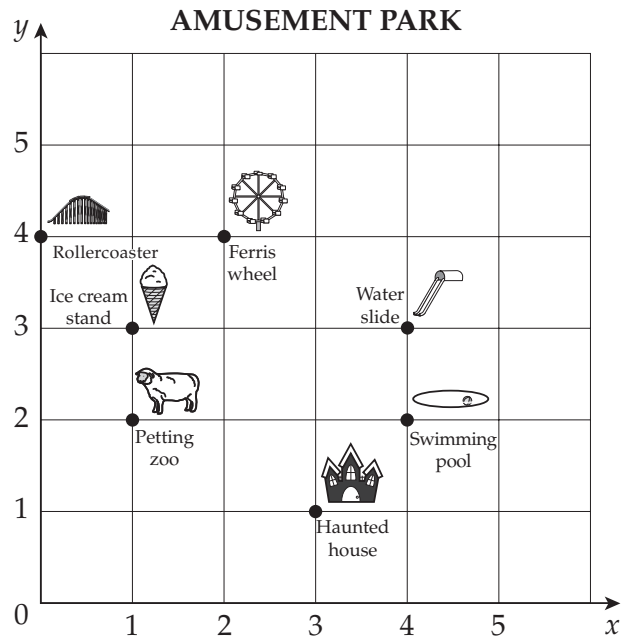


What is the rule? _____

How many squares will there be in Figure 5? _____ squares

7. The map shows the locations of attractions at an amusement park. Match each location below with the correct ordered pair that marks it on the map. Not every ordered pair will be used.

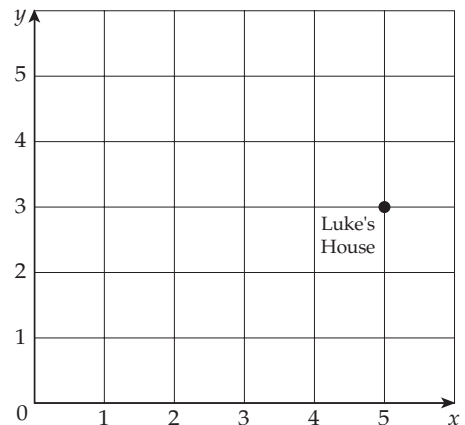
- Ferris Wheel • • (0, 4)
- Swimming Pool • • (2, 4)
- Rollercoaster • • (4, 3)
- Petting Zoo • • (4, 0)
- Water Slide • • (4, 2)
- Ice cream stand • • (3, 4)
- Haunted house • • (1, 2)



8. Luke's house is located at the point shown on the coordinate grid. Kyle's house is located 4 units left and 2 units up from Luke's house. Plot a point on the coordinate grid to represent the location of Kyle's house.

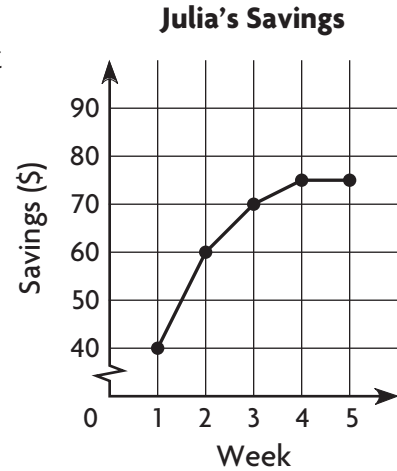
What ordered pair represents the location of Luke's house?

What ordered pair represents the location of Kyle's house?



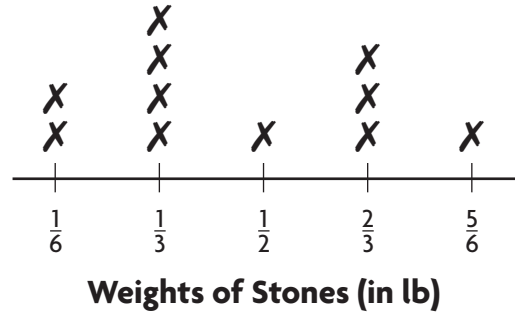
GO ON

9. Julia saves some of the money she earns from babysitting. The line graph shows the amount in Julia’s savings account for the first 5 weeks of the year.



For numbers 9a–9b, select True or False for each statement.

- 9a. Julia’s savings increased from \$40 to \$80 over the 5-week period. True False
- 9b. The greatest increase in Julia’s savings occurred from Week 1 to Week 2. True False
10. The line plot shows the weights of stones found in a stream. What is the average weight of the stones? Show your work.



11. The table shows the height of a hot air balloon from 1 minute to 5 minutes.

Height of Hot Air Balloon					
Time (in minutes)	1	2	3	4	5
Height (in feet)	35	60	92	120	175

What ordered pairs would you plot to show the data on a coordinate grid? How do you think the ordered pairs would be different if the height of the balloon was measured every 15 seconds instead of every minute? Explain your reasoning.



- 12.** Kelly recorded the total number of sit-ups she did each minute for 4 minutes.

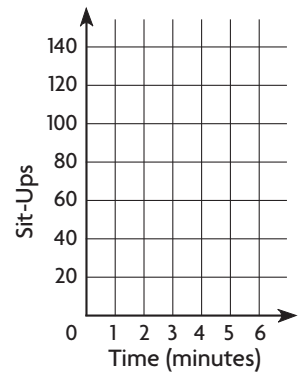
Time (minutes)	1	2	3	4
Number of Sit-ups	35	70	105	140

Part A

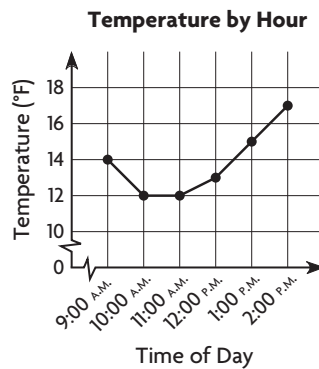
Write the number pairs as ordered pairs. Then write the rule to describe how the number pairs are related.

Part B

Graph the ordered pairs on the coordinate plane.



- 13.** Edwin recorded the temperature, in degrees Fahrenheit, every hour for 6 hours. He used this data to make a line graph.



For numbers 13a–13c, select True or False for each statement.

- 13a. The greatest temperature is at 2:00 P.M. True False
- 13b. Beginning at noon, the temperature increased by 2°F each hour. True False
- 13c. The temperature was the same at 11:00 A.M. and 12:00 P.M. True False

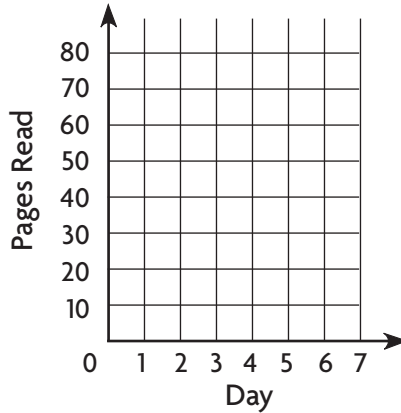


- 14.** The table shows the total number of pages of a book that Bryan has read each day for 5 days.

Days	1	2	3	4	5
Pages Read	15	20	35	45	70

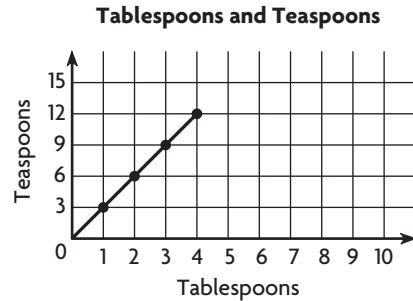
Graph the ordered pairs from the tiles on the coordinate grid.

- (1, 15)
- (2, 20)
- (3, 35)
- (4, 45)
- (5, 70)



- 15.** The graph shows the relationship between tablespoons and teaspoons. Determine a rule that relates the number of tablespoons to the number of teaspoons by writing the correct term or value from the tiles in each blank.

Subtract	Add			
Multiply	Divide			
1	2	3	$\frac{1}{2}$	$\frac{1}{3}$



Rule: _____ the number of tablespoons
by _____.

- 16.** Jamal is buying a new home theater system on layaway for \$324. If he pays \$54 each week, how many weeks will it take Jamal to pay for the home theater system? How can making a table help you solve the problem?

