

Name _____

Line Plots



COMMON CORE STANDARD—5.MD.2
Represent and interpret data.

Use the data to complete the line plot. Then answer the questions.

A clerk in a health food store makes bags of trail mix. The amount of trail mix in each bag is listed below.

$\frac{1}{4}$ lb, $\frac{1}{4}$ lb, $\frac{3}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{3}{4}$ lb,
 $\frac{3}{4}$ lb, $\frac{3}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{2}$ lb

1 lb

1. What is the combined weight of the $\frac{1}{4}$ -lb bags? _____

Think: There are four $\frac{1}{4}$ -pound bags.

2. What is the combined weight of the $\frac{1}{2}$ -lb bags? _____

3. What is the combined weight of the $\frac{3}{4}$ -lb bags? _____

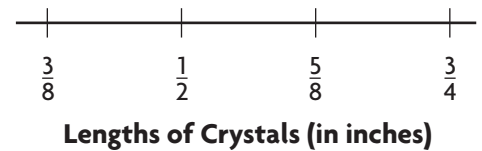
4. What is the total weight of the trail mix used in all the bags? _____

5. What is the average amount of trail mix in each bag? _____



Julie uses crystals to make a bracelet. The lengths of the crystals are shown below.

$\frac{1}{2}$ in., $\frac{5}{8}$ in., $\frac{3}{4}$ in., $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in.,
 $\frac{3}{8}$ in., $\frac{3}{4}$ in., $\frac{5}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{5}{8}$ in., $\frac{3}{4}$ in.



6. What is the combined length of the $\frac{1}{2}$ -in. crystals? _____

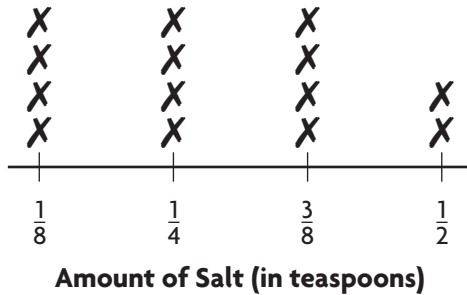
7. What is the combined length of the $\frac{5}{8}$ -in. crystals? _____

8. What is the total length of all the crystals in the bracelet? _____

9. What is the average length of each crystal in the bracelet? _____

Lesson Check (5.MD.2)

A baker uses different amounts of salt when she bakes loaves of bread, depending on which recipe she is following. The amount of salt called for in each recipe is shown on the line plot.



1. Based on the line plot, how many recipes call for more than $\frac{1}{4}$ tsp of salt?

2. What is the average amount of salt called for in each recipe?

Spiral Review (5.NBT.4, 5.NF.1, 5.NF.4a, 5.NF.7c)

3. Ramona had $8\frac{3}{8}$ in. of ribbon. She used $2\frac{1}{2}$ in. for an art project. How many inches of ribbon does she have left? Find the difference in simplest form.

5. What is 92.583 rounded to the nearest tenth?

4. Ben bought $\frac{1}{2}$ pound of cheese for 3 sandwiches. If he puts the same amount of cheese on each sandwich, how much cheese will each sandwich have?

6. In Yoshi's garden, $\frac{3}{4}$ of the flowers are tulips. Of the tulips, $\frac{2}{3}$ are yellow. What fraction of the flowers in Yoshi's garden are yellow tulips?

Name _____

Ordered Pairs

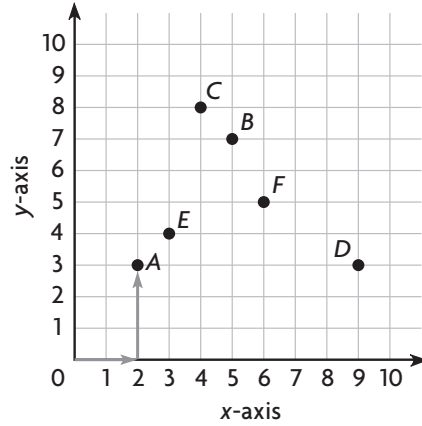
Use Coordinate Grid A to write an ordered pair for the given point.

- | | |
|--------------------|------|
| 1. A (2, 3) | 2. B |
| 3. C | 4. D |
| 5. E | 6. F |



COMMON CORE STANDARD—5.G.1
Graph points on the coordinate plane to solve real-world and mathematical problems.

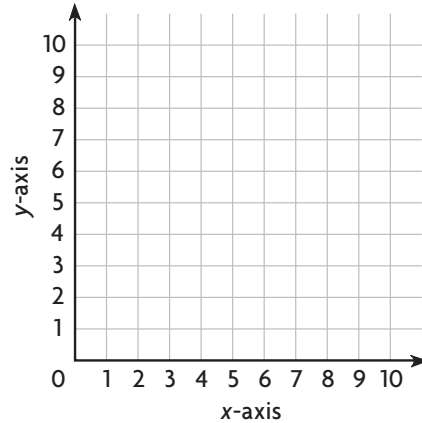
Coordinate Grid A



Plot and label the points on Coordinate Grid B.

- | | |
|-------------|-------------|
| 7. N(7, 3) | 8. R(0, 4) |
| 9. O(8, 7) | 10. M(2, 1) |
| 11. P(5, 6) | 12. Q(1, 5) |

Coordinate Grid B



Problem Solving

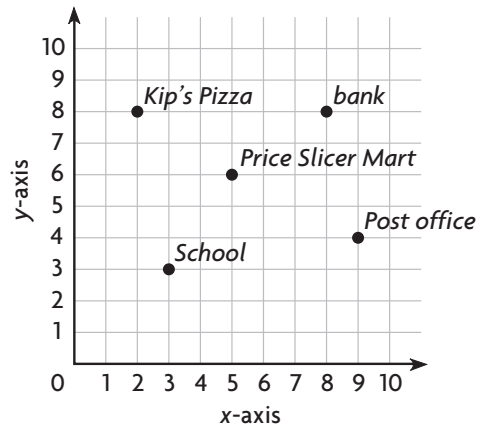


Use the map for 13–14.

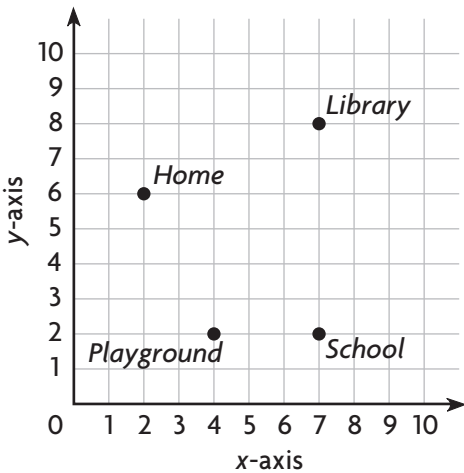
13. Which building is located at (5, 6)?

14. What is the distance between Kip's Pizza and the bank?

Port Charlotte



Lesson Check (5.G.1)



1. What ordered pair describes the location of the playground?

2. What is the distance between the school and the library?

Spiral Review (5.NBT.1, 5.NBT.5, 5.NBT.6)

3. What is the value of the underlined digit?

45,769,331

5. Harlow can bicycle at a rate of 18 miles per hour. How many hours would it take him to bicycle a stretch of road that is 450 miles long?

4. Andrew charges \$18 for each lawn he mows. Suppose he mows 17 lawns per month. How much money will Andrew make per month?

6. Molly uses 192 beads to make a bracelet and a necklace. It takes 5 times as many beads to make a necklace than it does to make a bracelet. How many beads are used to make the necklace?

Name _____

Graph Data



COMMON CORE STANDARD—5.G.2
Graph points on the coordinate plane to solve real-world and mathematical problems.

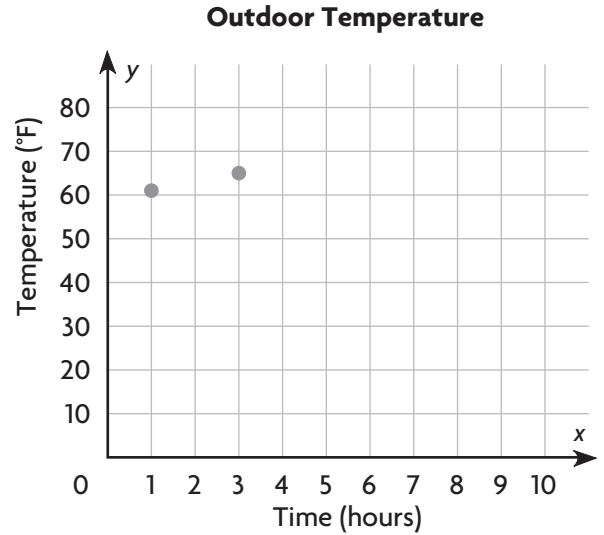
Graph the data on the coordinate grid.

1.

Outdoor Temperature					
Hour	1	3	5	7	9
Temperature (°F)	61	65	71	75	77

a. Write the ordered pairs for each point.

b. How would the ordered pairs be different if the outdoor temperature were recorded every hour for 4 consecutive hours?



Problem Solving

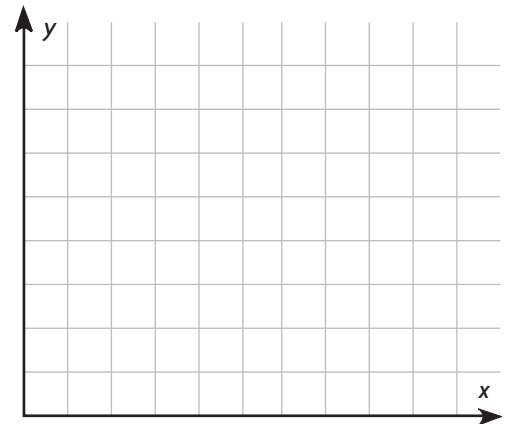


2.

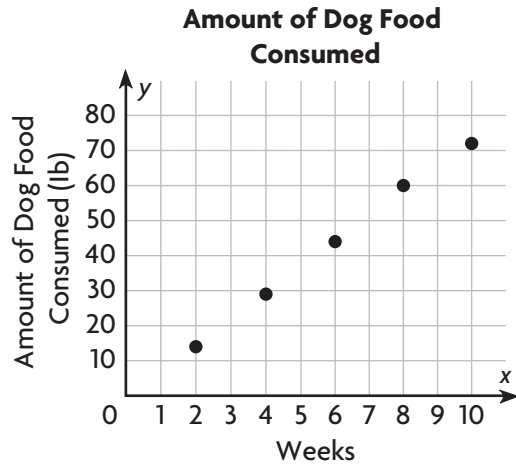
Windows Repaired					
Day	1	2	3	4	5
Total Number Repaired	14	30	45	63	79

a. Write the ordered pairs for each point.

b. What does the ordered pair (2, 30) tell you about the number of windows repaired?



Lesson Check (5.G.2)



1. About how many weeks did it take for the dog to consume 45 pounds of food?

2. By the end of Week 8, how much food had the dog consumed?

Spiral Review (5.OA.2, 5.NBT.6, 5.NF.2)

3. A restaurant chain ordered 3,940 pounds of rice in 20-pound bags. About how many 20-pound bags of rice did the chain order?

4. The population of Linton is 12 times as great as the population of Ellmore. The combined population of both towns is 9,646 people. What is the population of Linton?

5. Timothy needs $\frac{1}{2}$ cup of bread crumbs for a casserole and $\frac{1}{3}$ cup of bread crumbs for the topping. How many cups of bread crumbs does Timothy need?

6. Jessie bought 3 T-shirts for \$6 each and 4 T-shirts for \$5 each. What expression can you use to describe what Jessie bought?

Name _____

Line Graphs



COMMON CORE STANDARDS—5.G.2
Graph points on the coordinate plane to solve real-world and mathematical problems.

Use the table for 1–5.

Hourly Temperature							
Time	10 A.M.	11 A.M.	12 noon	1 P.M.	2 P.M.	3 P.M.	4 P.M.
Temperature (°F)	8	11	16	27	31	38	41

- Write the related number pairs for the hourly temperature as ordered pairs.

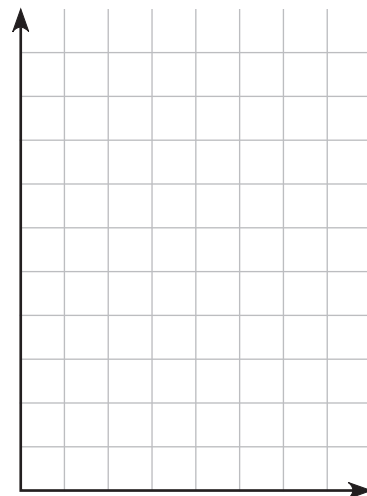
(10, 8);

- What scale would be appropriate to graph the data?

- What interval would be appropriate to graph the data?

- Make a line graph of the data.

- Use the graph to find the difference in temperature between 11 A.M. and 1 P.M.



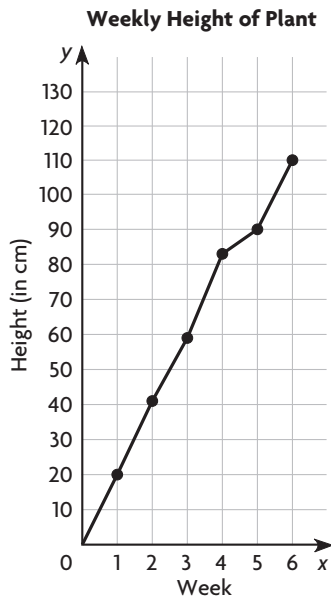
Problem Solving



- Between which two hours did the least change in temperature occur?

- What was the change in temperature between 12 noon and 4 P.M.?

Lesson Check (5.G.2)



1. How many centimeters did the plant grow in the first three weeks?

2. Between which two weeks did the plant grow the least?

Spiral Review (5.OA.2, 5.NBT.6, 5.NF.6, 5.NF.7c)

3. Write an expression using the Distributive Property to find the product of 7×63 .

4. Ali multiplies 3 numbers using the expressions $a \times (b \times c)$ and $(a \times b) \times c$. What property of multiplication does Ali use?

5. A student athlete runs $3\frac{1}{3}$ miles in 30 minutes. A professional runner can run $1\frac{1}{4}$ times as far in 30 minutes. How far can the professional runner run in 30 minutes?

6. A recipe for salad dressing calls for $\frac{1}{4}$ cup of vinegar. You have 4 cups of vinegar. How many batches of salad dressing could you make with the vinegar?
