Using Graphs & Data

10 CCSS-Aligned Printables

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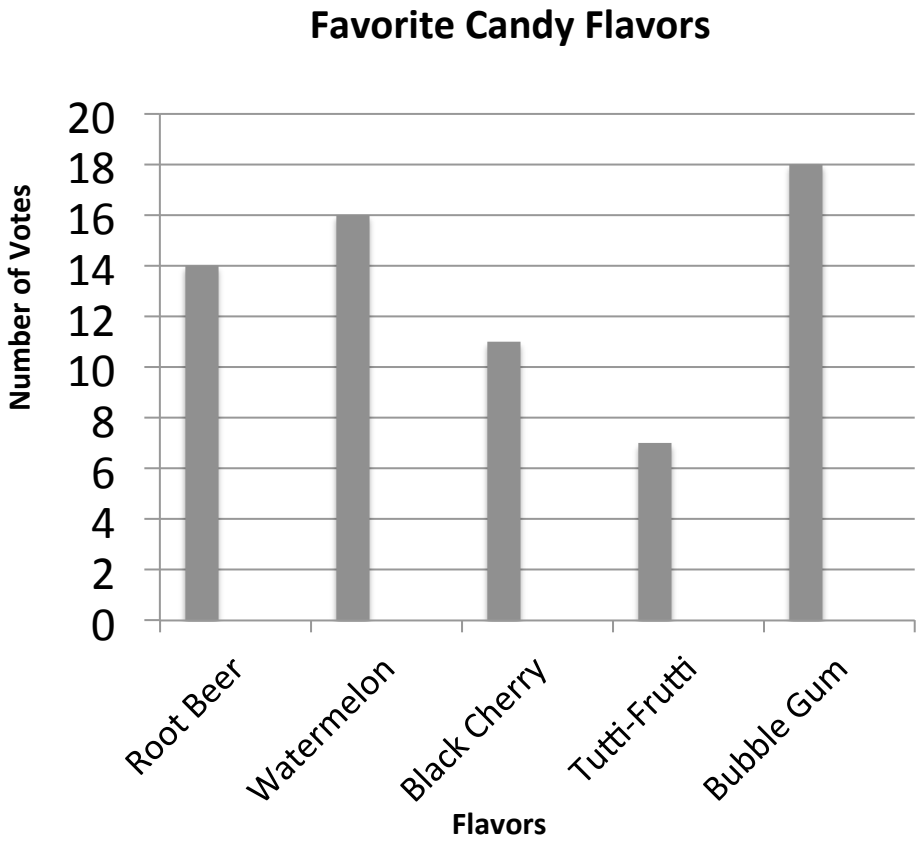
Use the information provided to answer Part A and Part B for this question.

The Candy Corner Sweet Shoppe asked customers to vote for their favorite candy flavors. The bar graph below shows the results.



Part A

What is the total number of customers who voted?

Ⓐ 64 Ⓑ 54 Ⓒ 49 Ⓓ 18 Ⓔ Not enough information

Part B

Find the flavor that earned the most votes. Find the flavor that earned the fewest votes. How many **more** students liked the favorite flavor, as compared to the number of students who liked the least favorite flavor? Write your answer in the box.

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Use the information provided to answer Part A, B, and C for this question.

Miss Miller's third grade class is collecting pet care supplies for the local animal shelter. The pictograph below shows how many items they have collected.

Day	Items Collected
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

KEY
= 5 items

Part A
How many items did the class collect on Thursday?

Ⓐ 25 Ⓑ 4 Ⓒ 15 Ⓓ 20

Part B
How many more items did the class collect on Wednesday than on Monday?

Ⓐ 3 Ⓑ 2 Ⓒ 15 Ⓓ 10

Part C
The class collected 100 items by the end of the week. How many symbols should be drawn for Friday?

Draw the symbols for Friday in the pictograph above.

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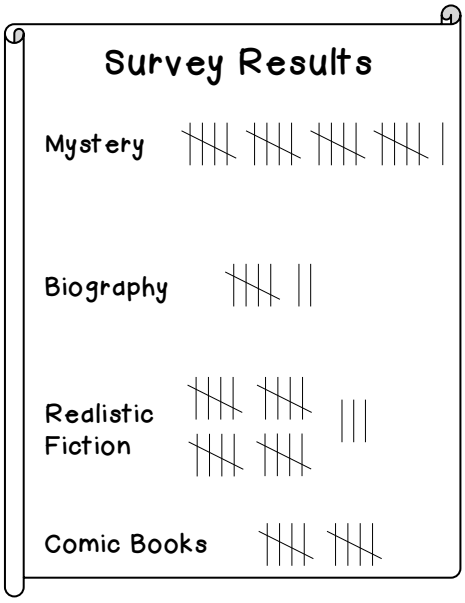
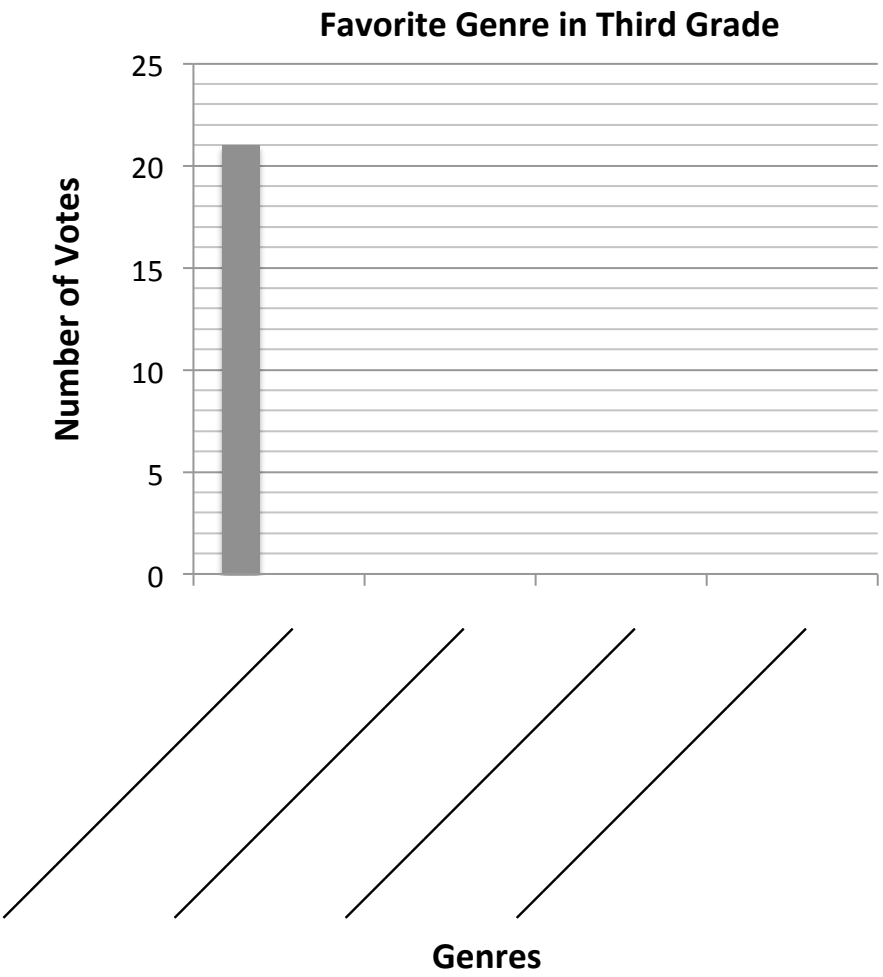
Use the information provided to answer Parts A, B, and C for this question.

The Roosevelt School Book Club took a survey at school. They asked all third grade students to choose their favorite book genre. They tallied their results.

Part A

Use the survey results to create a graph showing the number of votes for each genre. Be sure to include labels where they are needed.





Part B

What is the total number of students who voted? Write your answer in the box.

Part C

What is the difference between the number of votes received by the most popular genre and the least popular genre ? Write your answer in the box.

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Use the calendar to answer Parts A, B, and C for this question.

February

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Grandma's Birthday
2	3	4	5 Book Report Due	6	7	8
9	10	11	12	13	14 Valentine's Day	15
16	17 No School	18	19	20	21	22 Soccer Uniform Fitting
23	24	25 Art Show	26	27	28 Museum Field Trip	

Part A

Mia has soccer tryouts 3 days after her book report is due. What is the date of the tryouts?

(A) February 2 (B) February 8 (C) Saturday (D) February 26 (E) Not enough information

Part B

Mia addressed her Valentine cards 3 days before Valentine's Day. On what day did she address her cards?

(A) Monday (B) Tuesday (C) Wednesday (D) Thursday (E) Not enough information

Part C

One week before Mia's first soccer game, she bought new cleats. On what date did she buy new cleats?

(A) Sunday (B) Monday (C) Tuesday (D) Friday (E) Not enough information

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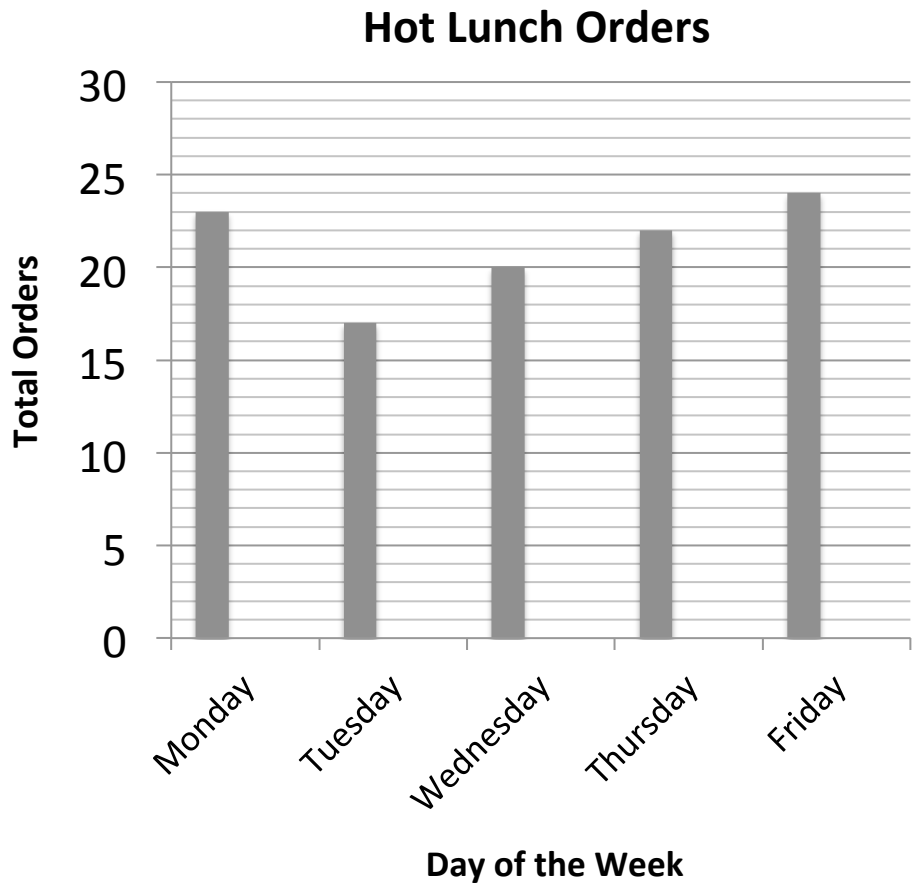
Use the information provided to answer Part A and Part B for this question.

The bar graph shows the total number of third grade students who ordered hot lunch last week at Rockford Elementary School.



Part A

What is the total number of hot lunches ordered last week?

Ⓐ 96 Ⓑ 106 Ⓒ 102 Ⓓ 114

Part B

How many **more** lunches were ordered on Friday than on Monday? Write your answer in the box.

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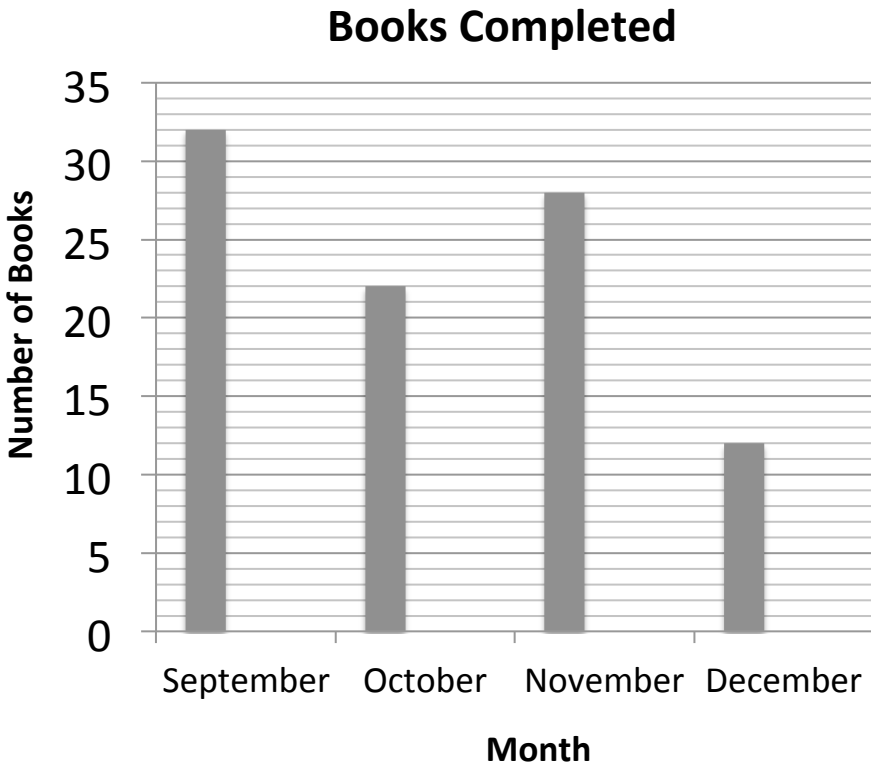
Use the information provided to answer Part A and Part B for this question.

Mrs. Bartkowski keeps track of how many books her students finish reading each month. The bar graph shows the total number of books completed for the first four months of the school year.



Part A

What is the total number of books read in October and November?

Ⓐ 54 Ⓑ 60 Ⓒ 50 Ⓓ 40

Part B

How many more books did students read in September and October than in November and December? Write your answer in the box.

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Use the information provided to answer Part A, B, and C for this question.

Kaitlyn kept track of how many minutes she read each night.

Part A
Use Kaitlyn's notes to create a pictograph showing how many minutes she read each night.

Minutes Read	
Monday	10
Tuesday	20
Wednesday	30
Thursday	25
Friday	10

Day	Minutes of Reading
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

KEY
= 5 minutes

Part B

What is the total number of minutes Kaitlyn read that week? Write your answer in the box

Part C

Imagine that Kaitlyn reads twice as many minutes every weeknight next week. How many total minutes will she read? Write and solve an equation that tells how many minutes she will read.

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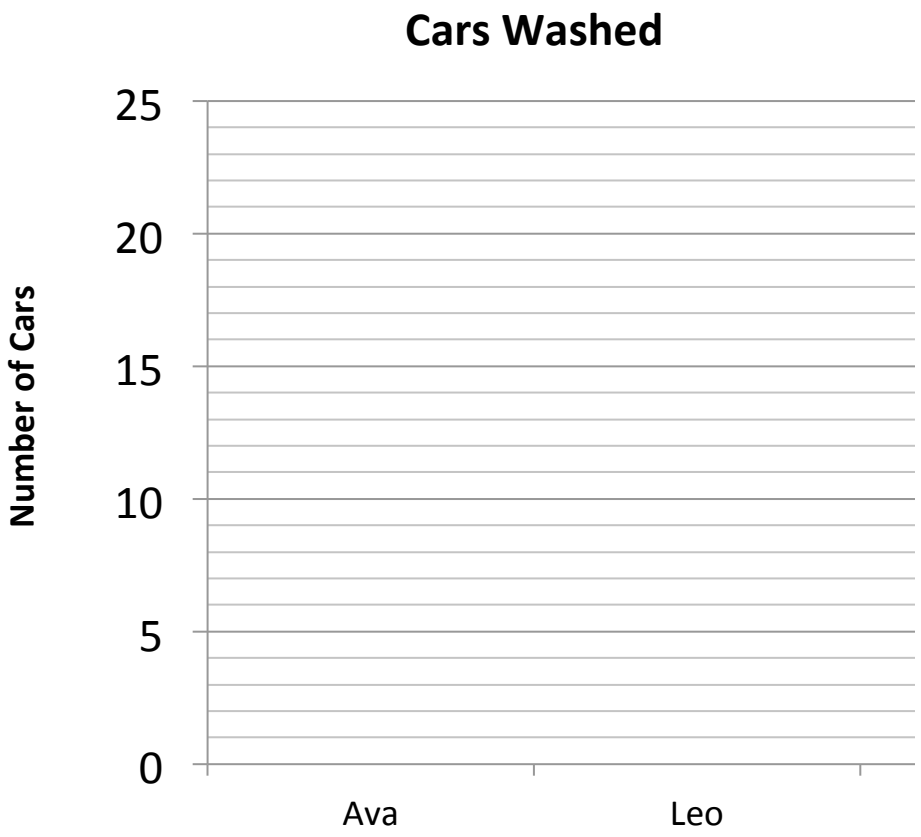
Ava and Leo washed cars to raise money for the school garden. Last Friday, Ava washed 4 cars every hour that she worked. She worked for 3 hours. Leo worked for 4 hours and washed 1 more car than Ava.

Create a bar graph to show how many cars Ava and Leo washed last Friday.



Which equation can be used to calculate the total number of cars that Leo washed?

- ◯ (4 x 3) + (4 x 1)
- ◯ (4 x 4) + 1
- ◯ 4 + 4 + 3 + 1
- ◯ (4 x 3) + 1

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Use the calendar to answer Parts A, B, and C for this question.

May						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5 Slumber Party
6	7	8 Grade 3 Open House	9	10	11	12
13	14	15	16	17 Dad's Birthday	18	19
20	21	22	23	24	25	26
27 Backyard BBQ	28 No School	29	30	31		

Part A

Brady is going camping on May 25. He will return 2 days later. On what date will he return?

Ⓐ Sunday Ⓑ May 27 Ⓒ May 26 Ⓓ May 23 Ⓔ Not enough information

Part B

Three days after he returns from camping, Brady will have his first baseball game of the season. What day of the week will that be?

Ⓐ Monday Ⓑ Tuesday Ⓒ Wednesday Ⓓ Thursday Ⓔ Not enough information

Part C

This year, Brady's birthday is the second Monday in May. What is the date of his birthday? Write your answer in the box.

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Use the information below to answer the questions on the next page.

Mrs. Mueller is making lunch sacks for the scouts' overnight camping trip. She took a survey and asked children which items they would most like in their lunch sacks. Each child voted **once** for the item that they would most like in a lunch sack. Below is a graph that shows the results.

Then, Mrs. Mueller made a chart showing the cost of each item that could be purchased for the lunches.

Lunch Items	Cost
Potato Chips (individual size bags)	$1.00
Apple Juice	$1.00
Ham Sandwich	$3.00
Cheese Sandwich	$2.00
Sub Sandwich	$3.00
Mini Muffins	$1.00

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Part A

Which three items received the highest number of votes? Write your answer in the box.

Part B

What is the difference in the number of votes between the lunch item that most students wanted, and the item that the fewest students wanted?

votes

Part C

What is the total number of students who took the survey?

students

Part D

A lunch sack will contain 1 of each of the top 3 items that received the most votes. What is the total cost of 1 lunch sack?

Part E

Mrs. Mueller has $200 to spend. How much money will she have left if she makes 1 lunch sack for each scout?

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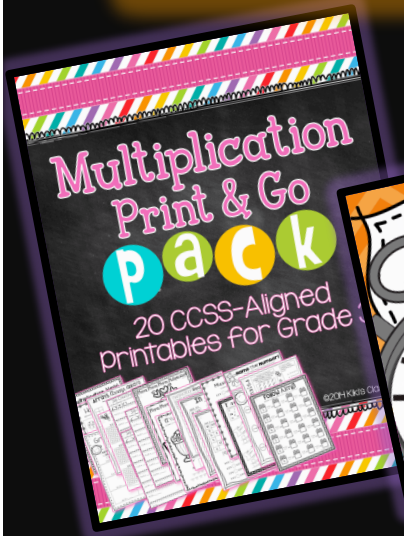

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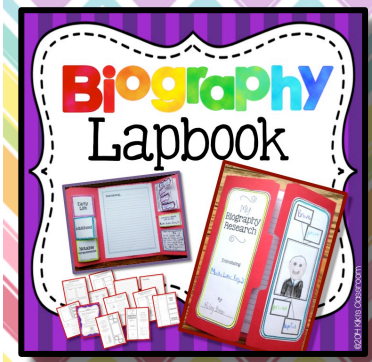

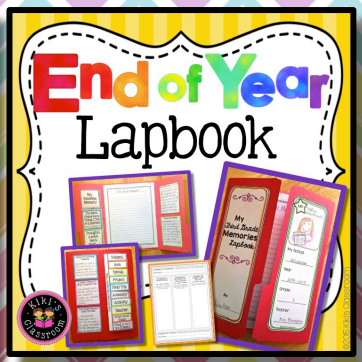

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