

Everyday Mathematics

Grade 4 Unit 2

Name: _____

Add.

1. $178 + 591 = \underline{\hspace{2cm}}$

2. $633 + 1,346 = \underline{\hspace{2cm}}$

3. $\underline{\hspace{2cm}} = 3,400 + 1,500$

Subtract.

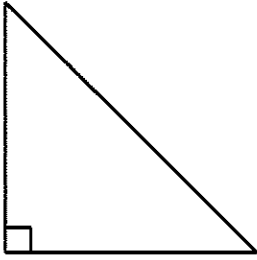
4. $\underline{\hspace{2cm}} = 879 - 525$

5. $389 - 51 = \underline{\hspace{2cm}}$

6. $\underline{\hspace{2cm}} = 3,447 - 2,571$

7. Draw a polygon with at least one right angle. Mark the right angle(s) with a square corner symbol.

8. Is this figure a parallelogram? Explain your answer.



9. As part of her science project on sleep, Samantha asked 13 students in her class how many hours they had slept the night before, to the nearest half-hour. Here are the results of her survey.

Number of hours slept	Number of students
6	
6.5	
7	/
7.5	//
8	
8.5	////
9	
9.5	///
10	
10.5	///
11	

- How many students slept 9 hours?
- What is the median number of hours the students slept?
- What is the mode?
- What is the maximum number of hours slept?
- What is the range of hours they slept?
- Explain how you found the median.

10. Keith asked his classmates to estimate the number of cans of food collected for the can drive at school. He recorded the information on the tally chart below. Use Keith's tally chart to make a bar graph of the data.

Number of Cans of Food	Number of Students
0	
1	+++
2	
3	
4	
5	
6	+++
7	
8	

11. Samantha wanted to show the number 27 on her calculator. The 7-key on her calculator was broken, so this is what she did:

$$3 \times 8 + 3 = 27$$

Find two other ways to show 27 without using the 7-key.

12. Measure the line segment below to the nearest half-centimeter.



13. Draw a line segment that is 12.5 centimeters long.

14. Circle the problems below whose sum or difference is greater than 300. Solve the problems you circled.

a. 217	b. 578	c. 454	d. 2,783	e. 8,605
<u>+ 64</u>	<u>+ 613</u>	<u>- 112</u>	<u>+ 2,030</u>	<u>- 7,512</u>

15. Circle the problems below whose sum or difference is greater than 300. Solve the problems you circled. Explain the estimation strategy used.

a. 978 b. 888 c. 968 d. 8,841 e. 4,930

$$\begin{array}{r} + 50 \\ \hline \end{array}$$

$$\begin{array}{r} + 386 \\ \hline \end{array}$$

$$\begin{array}{r} - 274 \\ \hline \end{array}$$

$$\begin{array}{r} + 3,064 \\ \hline \end{array}$$

$$\begin{array}{r} - 2,162 \\ \hline \end{array}$$

[1] 769 _____

[2] 1,979 _____

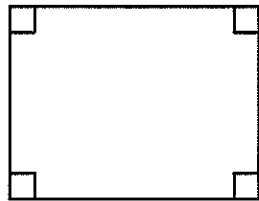
[3] 4,900 _____

[4] 354 _____

[5] 338 _____

[6] 876 _____

Sample answer:



[7] _____

[8] No; Explanations will vary. _____

a. 0

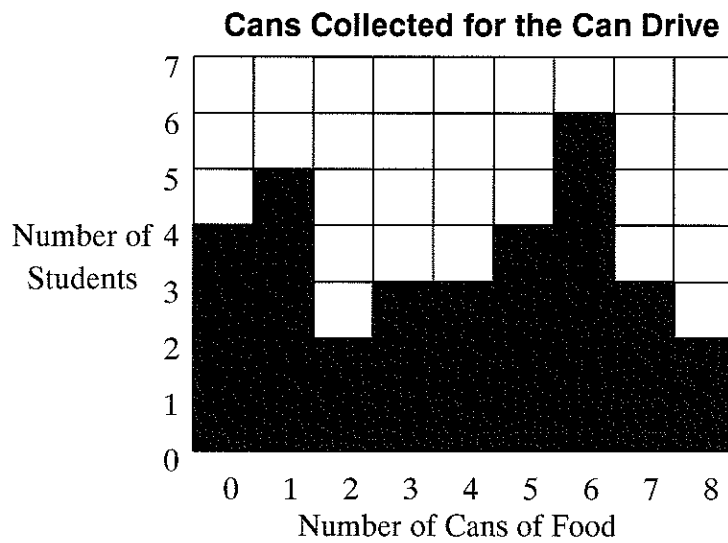
b. 8.5

c. 8.5

d. 10.5

e. 3.5

[9] f. Explanations will vary. _____



[10] _____

Sample answer:

a. $4 \times 6 + 3 = 27$

[11] $9 \times 4 - 9 = 27$ _____

[12] 4 cm _____

[13] The line should measure 12.5 centimeters. _____

b. Answer: 1,191
Ballpark estimate: $600 + 600 = 1,200$

c. Answer: 342
Ballpark estimate: $500 - 100 = 400$

d. Answer: 4,813
Ballpark estimate: $3,000 + 2,000 = 5,000$

e. Answer: 1,093

[14] Ballpark estimate: $9,000 - 8,000 = 1,000$ _____

a. Answer: 1,028

Ballpark estimate: $1,000 + 50 = 1,050$

b. Answer: 1,274

Ballpark estimate: $900 + 400 = 1,300$

c. Answer: 694

Ballpark estimate: $1,000 - 300 = 700$

d. Answer: 11,905

Ballpark estimate: $9,000 + 3,000 = 12,000$

e. Answer: 2,768

Ballpark estimate: $5,000 - 2,000 = 3,000$

[15] Explanations will vary.

1. **Jelly Bean Data**

Mr. Evans gave bags of jelly beans to students in his class. Each student counted the jelly beans in the bag and wrote the number on the board. Then the students found the landmarks for the class data.

Minimum 8

Maximum 21

Mode 14

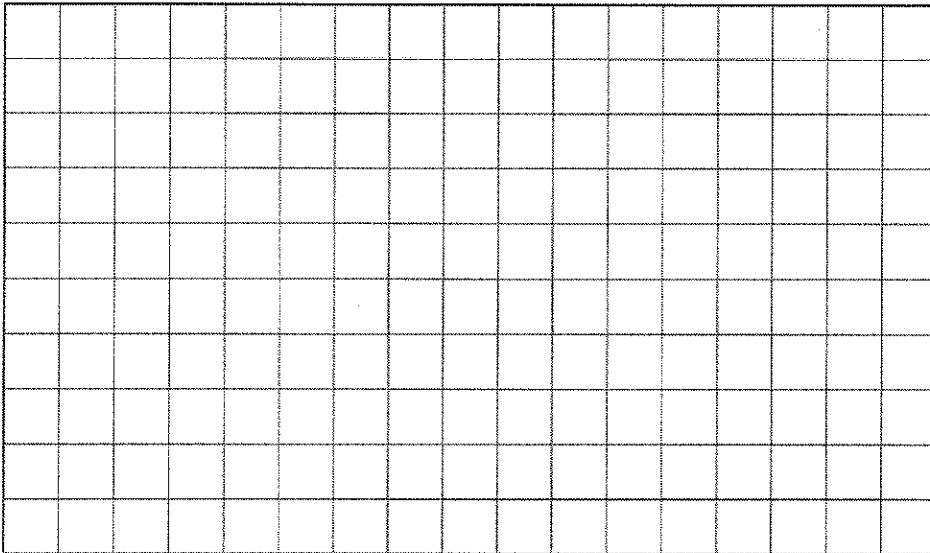
Median 15

a. Suppose there were 11 students in Mr. Evan's class. List the number of jelly beans each student could have reported to get the landmarks listed above.

b. Explain how you found your answer.

c. Display your data on a line plot or bar graph.

Be sure to include a **title** and **labels** for your display.

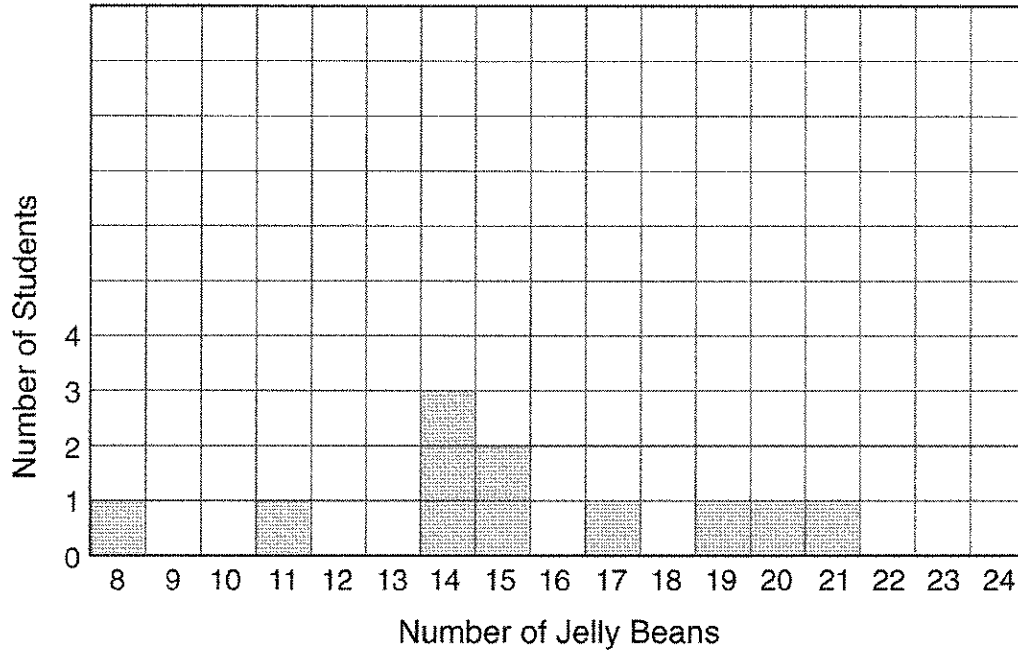


Sample answers: a. 8, 11, 14, 14, 14, 15, 15, 17, 19, 20, 21.

b. I put an 8 first because it is the smallest and a 21 last because it is the biggest. Then I put a 15 in the middle because it is the median. 14 is the mode so I put some 14s in and then I filled in the rest of the numbers.

c. Using the answer for a. given above, the graph will look like this.

Jelly Bean Data



[1]