

First Name: _____ Last Name: _____ Grade: _____
 Teacher: _____ Parent's email: _____

Charts, Tables, and Graphs

Kinder & First Grade: solve at least 3 problems.
Second & Third Grade: solve at least 7 problems.
Fourth Grade and above: solve at least 12 problems.

Answer

1. Liza lines up the animals in order of size (as seen in the diagram to the left), beginning with the smallest. Which animal will be in the middle of her list?

C, D, A, E, B

A

2. There are 3 types of shapes in the drawing below. Use the data above to complete the table and to answer the following questions.

Shapes	
Type	Number of shapes
Rectangles	3
Circles	7
Triangles	5

a. How many circles are there? 7

b. How many more more triangles than rectangles are there? $5-3 = 2$

a. 7

b. 2

3. The math club at Washington Elementary School is collecting caned goods. Brian is recording the number of cans collected.

Cans Collected Chart						
Grade	K	1	2	3	4	5
Number of cans	24	36	60	76	70	48

a. Which grade collected the most cans? Third grade (76 cans)

b. Which grade(s) collected more than 50 cans but less than 70 cans? Second grade (60)

Bonus question: Which grade collected half the amount collected by the fifth grade?
Kindergarten (24)

a. Third grade or Grade 3





b. Second grade or Grade 2

4. a. Aug (90°)
 b. Jan (76°)
 c. 3 months (January, February, December)

a. August

b. January

c. 3

5.	<p>a. Red</p> <p>b. Gray</p> <p>c. $4+8+10+2+6 + 2$ absent students = 32</p>	<p>a. <i>Red</i></p> <p>b. <i>Gray</i></p> <p>c. <i>32 [students]</i></p>
6.	<p>a.  = ___ cups</p> <p>b.  = ___ pints</p> <p>c.  = ___ pints</p> <p>d.  = ___ quarts</p>	<p>a. <i>4 [cups]</i></p> <p>b. <i>3 [pints]</i></p> <p>c. <i>3 [pints]</i></p> <p>d. <i>3 [quarts]</i></p>
7.	$82 - 21 - 15 - 14 - 22 = \mathbf{10}$ or $82 - (21 + 15 + 14 + 22) = 82 - 72 = \mathbf{10}$	<i>10 [cows]</i>
8.	<p>a. $2+3+1+2+4+7+3 = \mathbf{22}$</p> <p>b. $22 \times \\$20 = \mathbf{\\$440}$</p>	<p>a. <i>22</i></p> <p>b. <i>[\$] 440 or 440 dollars</i></p>
9.	Dominique since he is only available on Friday.	<i>Dominique</i>
10.	<p>MON-THU = 8.5 hours \times 4 days = 34 hours</p> <p>FRI-SAT = 14 hours \times 2 days = 28 hours</p> <p>SUN = 8 hours</p> <p>Total = 34 + 28 + 8 = 70 hours</p>	<i>70 [hours]</i>
11.	<p>Pop: 32 Rock: 16 Hip-hop: 24 Country: 18</p> <p>Total: 90 Hip-hop: $24/90 \times 360 = \mathbf{96}$</p>	<i>96 [students]</i>
12.	Whose statement(s) can be proven by the histogram as true?	<i>Charlie and Emily</i>
13.	<p>Total scores if she earned 85 on all 5 tests: $85 \times 5 = 425$</p> <p>The score she needs to get: $425 - (82 + 75 + 92 + 81) = \mathbf{95}$</p> <p>Check: $(82 + 75 + 92 + 81 + 95)/5 = 85$ ✓</p>	<i>95</i>
14.	Based on the data, which company most likely has the longest average commute time per employee?	<i>Company A</i>
15.	<p>The amount paid for bowling: $\\$30.00 - 4.50 = \\25.50</p> <p>Lane fee: $\\$25.50 - \\$3.00 - \\$3.00 = \\19.50</p> <p>Since each 15 minutes costs \$3.25, they did $\\$19.50/\\3.25 or 6 of 15 minutes.</p> <p>$6 \times 15 = \mathbf{90}$ minutes</p>	<i>90 [minutes]</i>
16.	How much is the fixed fee to set up a party?	<i>\$15.25</i>
17.	<p>a. $1.25 - 3.125 + 0.625 + 1.5 = 0.25$</p> <p>b. $\\$69.02 - 0.25 = \mathbf{\\$68.77}$</p>	<p>a. <i>\$.025</i></p> <p>b. <i>\$68.77</i></p>
18.	<p>Listening to music: 12% of 24 = 2.88 hours</p> <p>Playing tennis: 10% of 24 = 2.4 hours</p> <p>$2.88 - 2.4 = 0.48$ hours</p>	<i>0.48 [hour]</i>