	E Challenge	
First Name:	Last Name:	Grade:
Teacher:	Parent's email:	

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Charts, Tables, and Graphs

Welcome to Math Challenge #14. Charts, tables, and graphs are visual representations we use to organize information or data. In this challenge, we explore ways of reading and interpreting data from charts, tables, and graphs.

Kinder & First Grade: solve <u>at least</u> 3 problems. Second & Third Grade: solve <u>at least</u> 7 problems. Fourth Grade and above: solve <u>at least</u> 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?				
2.	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.				
	Turne Number of changes				
	Type Number of shapes				
		~			
	a. How many circles are there?	<i>u.</i>			
	b. How many more more triangles than rectangles are there?	D.			
3.	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	6D	76	70	48	

- a. Which grade collected the most cans?
- b. Which grade(s) collected more than 50 cans but less than 70 cans?

Bonus question: Which grade collected half the amount collected by the fifth grade?

а.

b.







16.	There is a fixed fee to set then there is a cost per	et up a party at the local tra	mpoline gyr	n. After th	nat amou	unt is paid,	, Ξ.ς.
	9 and 13						<u> </u>
	5, and 15.	Number of guests	5		9	13	
		Total cost	\$59	\$	94	\$129	
	How much is the fixed f	ee to set up a party?					
17.	The table below shows	the weekly change in the pr	ice of one g	ram of go	ld for fo	ur weeks.	_
	a. By how much did th	ne price of one gram of gold	change	One	Gram of	f Gold	<i>a</i> .
	from the beginning	of week 1 to the end of wee	ek 4?	Week	ek Weekly Change		
					in Price	e (dollars)	
	h Δt the end of week	4 the price per gram of gold	1 was	1	+	1.25	<i>b</i> .
	\$69.02 What was t	he price per gram of gold at	the	2	-3	.125	
	heginning of week		the	3	+().625	
	beginning of week.			4	-	-1.5	
18.	The circle graph shows number of hours, in how Anastasia' Sleeping 35% Attending school 30%	Anastasia's activities for 24 urs did Anastasia spend liste s Activities Listening Playing v Practicing Eating 5%	hours. How ning to mus to music 12 ideo games 3 g drums 5% ennis 10%	much mo ic than pl %	ore time, aying te	<u>as a decim</u> nnis?	nal

Solution is available on April 26, 2025 www.mathinaction.org