

Career Path

Business, Management and Technology

Activity #3: Plush 4 Sale

Subject: Math

Materials Needed

ACK!, page 13
Student Project Sheet
Pencil
Optional: calculator

Data for the Chart

Animal Prices

Puppy - \$4.99 each
Zoo animal - \$8.99 each
Sea animal - \$6.99 each

Weekly Sales

Week One Sales: 3 bears, 1 monkey, 3 gray dolphins, 1 pink starfish, 2 puppies

Week Two Sales: 2 elephants, 4 parrots, 1 red crab, 2 green eels, 4 puppies

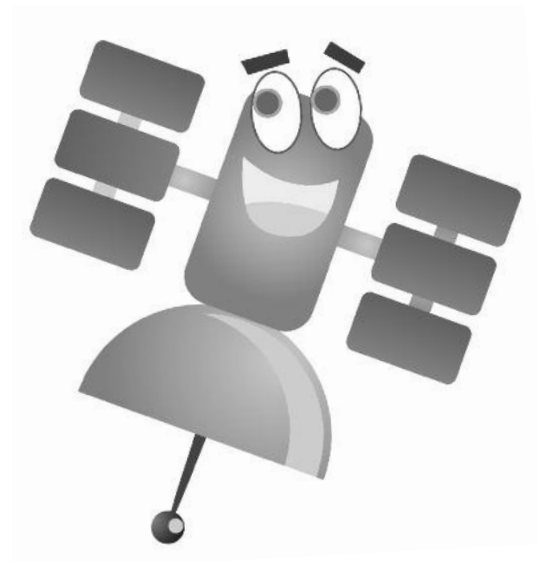
Week Three Sales: 2 bears, 1 pink starfish, 6 puppies

Week Four Sales: 2 giraffes, 5 monkeys, 1 yellow octopus, 7 puppies

The goal of a retail store is to make money. When products sell, the store makes money. Ellen Henry is a wholesaler. She is responsible for finding the Plush stuffed animals that sell the best. She is a good problem solver and uses math a lot in her job.

For this assignment, pretend you are the owner of the store, Plush 4 Sale. You have collected the following data for a market study to help you determine which plush animals should be continued, which should be replaced with another animal and which are the best sellers. Here is your task:

- Using the following data, complete the chart on the next page by filling in the blanks.
- Answer the math questions on page 20.
- And, on page 20, recommend what you think your store should buy more of, buy less of, discontinue or replace with another animal.



(please continue...)

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Activity #3: Plush 4 Sale
(continued)

Subject: Math

Plush 4 Sale: Plush Animal Sales

Week	Item	Number Sold	Cost for One	Total Income	Cumulative Total	Weekly Total
1	bear	3	\$8.99	\$26.97	\$26.97	
1	monkey	1	\$8.99	\$8.99	\$35.96	
1	dolphin	3	\$6.99		\$56.93	
1	starfish	1	\$6.99	\$6.99		
1	puppy	2		\$9.98	\$73.90	\$73.90
2	elephant	2	\$8.99	\$17.98	\$17.98	
2	parrot	4	\$8.99		\$53.94	
2	crab	1	\$6.99	\$6.99		
2	eel	2			\$74.91	
2	puppy	4	\$4.99		\$94.87	\$94.87
3	bear	2	\$8.99	\$17.98	\$17.98	
3	starfish	1		\$6.99	\$24.97	
3	puppy	6	\$4.99	\$29.94		
4	giraffe	2	\$8.99	\$17.98	\$17.98	
4	monkey	5	\$8.99		\$62.93	
4	octopus	1	\$6.99	\$6.99		
4	puppy	7		\$34.93	\$104.85	\$104.85
GRAND TOTAL						\$328.53

(please continue...)

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Subject: Math

Focus Objective

- Use strategies, skills and concepts to find solutions.

Integrated Skills

- Add and subtract simple decimals.
- Demonstrate understanding of an ability to use standard algorithms for addition and subtraction of multi-digit numbers.
- Explain and demonstrate the role of money in everyday life.
- Follow written instructions.

Career Development Competency

- Awareness of the relationship between work and learning.

Materials Needed

ACK!, page 13
Student Project Sheet
Pencil
Optional: calculator

Focus Activity

Wholesalers want to make good decisions. The more products they sell, the more money they will make. Providing what the customers want is the key to increasing sales. Therefore, they must keep accurate records and update them frequently.

For the assignment, students are to complete a chart showing *Plush* sales and answer math questions. They are then to interpret the chart and make recommendations for improving the *Plush* sales. This would be a good activity for students to do with a partner and to present the team's recommendations to other teams.

Math Answers (See "Math Activity Chart," next page.)

- Which *Plush* animal(s) was sold the most? (**puppy**)
- Which *Plush* animal(s) was sold the least? (**crab and octopus**)
- What animals were more popular, zoo or sea? (**zoo**)
- How many puppies were sold in 4 weeks? (**19**)
- How many zoo animals were sold in weeks 2 and 4? (**13**)
- How many sea animals were sold in weeks 1 and 3? (**5**)
- How much money was made in 4 weeks by the sales of puppies? (**\$94.81**)
- What is the difference in money between the first and last week? (**\$30.95**)
- Which week made the most money? (**week 4**)
- How much money was made altogether in weeks 2 and 3? (**\$149.78**)

Possible recommendations after selling *Plush* animals for 4 weeks include:

- Buy more puppies (possibly double the amount purchased).
- Consider buying more monkeys and bears.
- Run a sale on sea animals to see if you can increase the sales.
- Consider replacing the octopus and crab with another animal.
- Consider the placement of the sea animals in the store to see if another location might increase sales.

(please continue...)

The thumbnail shows a page from an activity book. At the top, it says 'Career Path' and 'Data for the Chart'. Below that is a table with columns for 'Actual Price' and 'Number of Weeks'. There is also a 'Weekly Sales' table and a cartoon character.

Career Path

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Activity #3: Plush 4 Sale (continued)

Subject: Math

6. Consider using the puppy to promote the other animals.
7. Continue to monitor the sales of giraffe, eel, elephant and starfish; if sales do not increase, replace with another animal.

Teacher Extension

1. Use the data to teach minimum, maximum, mode, median, mean.
2. Construct line graphs to show sales over a period of time.
3. Have students make a prediction for week 5 and calculate sales.
4. Construct charts for other items.

Chart for This Math Activity


Plush 4 Sale: Plush Animal Sales						
Week	Item	Number Sold	Cost for One	Total Income	Cumulative Total	Weekly Total
1	bear	3	\$8.99	\$26.97	\$26.97	
1	monkey	1	\$8.99	\$8.99	\$35.96	
1	dolphin	3	\$6.99	\$20.97	\$56.93	
1	starfish	1	\$6.99	\$6.99	\$63.92	
1	puppy	2	\$4.99	\$9.98	\$73.90	\$73.90
2	elephant	2	\$8.99	\$17.98	\$17.98	
2	parrot	4	\$8.99	\$35.96	\$53.94	
2	crab	1	\$6.99	\$6.99	\$60.93	
2	eel	2	\$6.99	\$13.98	\$74.91	
2	puppy	4	\$4.99	\$19.98	\$94.87	\$94.87
3	bear	2	\$8.99	\$17.98	\$17.98	
3	starfish	1	\$6.99	\$6.99	\$24.97	
3	puppy	6	\$4.99	\$29.94	\$54.91	\$54.91
4	giraffe	2	\$8.99	\$17.98	\$17.98	
4	monkey	5	\$8.99	\$44.95	\$62.93	
4	octopus	1	\$6.99	\$6.99	\$69.92	
4	puppy	7	\$4.99	\$34.93	\$104.85	\$104.85
GRAND TOTAL						\$328.53

Activity Book, Pages 18-20

Career Path
For more information on this career path, visit www.careerpath.com.

Skills for this Chart
Analyze Data
Interpret Data
Read Text
Write Text

Weekly Sales
Track the sales of the puppy, bear, monkey, starfish, dolphin, giraffe, elephant, parrot, crab, and eel. Use the data to create a line graph showing sales over time. Use the data to calculate the total income and cumulative total for each week.



16