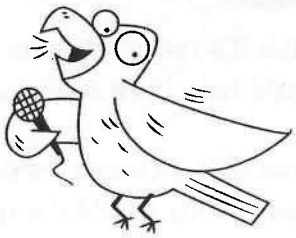
Name _____ Date _____

Skills:
Solving problems using data from a frequency table

Pet Pen Products: Data Sheet

Pet Pen is a one-of-a-kind pet store. It is proud to present an assortment of unusual new products. Pet Pen predicts that pets will love them!



Store manager Brad Byrd keeps frequency tables to see how well new products are selling. The frequency table below was for the month of May. It shows how many of each product Pet Pen sold during that month.

Check it out, pet lovers!

Monthly Sales of Pet Products

New Product	Tally	Frequency
Gerbil Exercise Mat	𝍸 𝍸 𝍸 𝍸 𝍸 |	28
Parakeet Microphone	𝍸 𝍸 ||	12
Quacking Duck Toy (for puppies)	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |	48
Rubber Mouse-on-Bun (for kittens)	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 ||||	34
Fish Goggles	𝍸 𝍸	10
Hermit Crab Exercise DVD	𝍸 𝍸 𝍸 𝍸 ||	22
Guinea Pig Pajamas	𝍸 𝍸 ||	12

Name _____ Date _____

Pet Pen Products: Activity Sheet

Use the Data Use the table and any new data given below to answer each *What if?* question.

1. What if a special deal on Gerbil Exercise Mats had tripled their sales? Then how many mats would have been sold that month? _____

2. What if Fish Goggles sell for $12 a pair and Guinea Pig Pajamas sell for $18 a pair? What would the total price be for all the goggles and pajamas sold?
_____

3. What if Parakeet Microphones cost twice as much as Hermit Crab Exercise DVDs? If the total sales of DVDs were $330, what would the total sales for microphones be?
_____

4. What if the price for a Quacking Duck Toy is n dollars and the price of a Rubber Mouse-on-Bun is m dollars? What algebraic expression can you write for the total price of all duck toys and rubber mice sold? _____

Write About It

Make up a What if question of your own for classmates to solve. Add new information as needed.

5. What if _____
_____

Make a Double Bar Graph

Imagine that all sales figures rose by half in June. On a separate sheet of paper, make a table showing June sales data for each product. Then use a piece of graph paper to make a vertical **double bar graph** that visually compares May and June sales. Give your graph a title and label both axes. Use a key to show which bars represent which month. Follow the model at right.