

Name _____ Date _____

Skills:

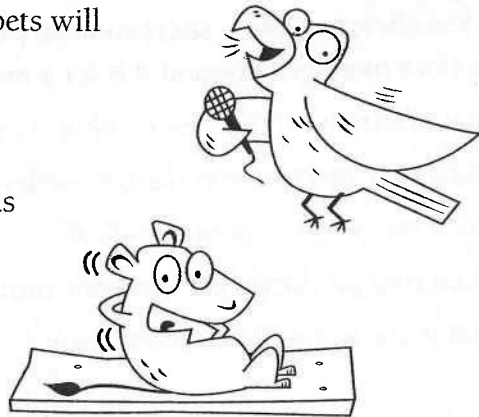
Solving problems using data from a frequency table

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

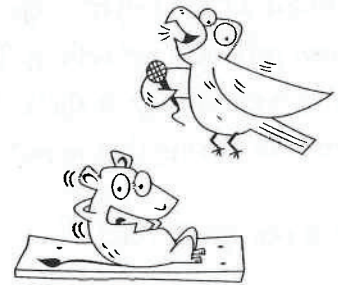
New Product	Tally	Frequency
Gerbil Exercise Mat		28
Parakeet Microphone		12
Quacking Duck Toy (for puppies)		48
Rubber Mouse-on-Bun (for kittens)		34
Fish Goggles		10
Hermit Crab Exercise DVD		22
Guinea Pig Pajamas		12

Pet Pen Products: Activity Sheet

Use the Data

On the lines below, write a short summary of the information provided in the frequency table by the Pet Pen store manager. Pretend it is for a monthly report. Include facts such as:

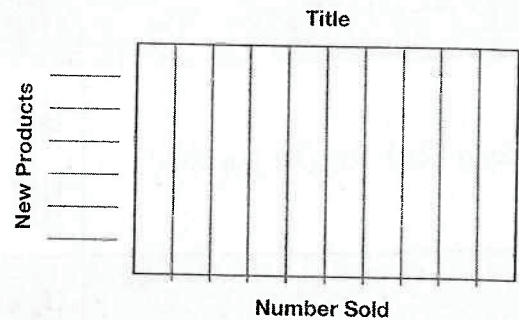
- ① What information does each column of the table show?
- ① Which new product was the best-seller?
- ① Which one was the poorest seller?
- ① Which two products had the same number of sales?
- ① What is the range of the sales figures?



Make a Bar Graph

To help his boss see how well the new products are selling, Brad Byrd makes a horizontal **bar graph** that shows the same data that his frequency table does. How would Brad's bar graph look? Follow these steps to create it:

- ① Give your graph a title.
- ① List products along the vertical axis. Label it "New Products."
- ① Label horizontal axis "Number Sold."
- ① Choose a scale for the horizontal axis that fits the data. Label equal intervals. Start with 0.
- ① Draw bars to represent the data.



Write Two Problems

On a separate sheet of paper, write two math problems about your graph that can be solved using one or more of the four operations (addition, subtraction, multiplication, division). You may ask for exact or estimated answers.