

At the Toy Store

Elena and Jorge own a toy store. Every day they sell toys. They must also order new toys to replace the ones they sell. They use math strategies to solve problems about the toy store.

1. The table shows how many toys Elena and Jorge sold over 3 months. Use the data to solve the problems.

Toys Sold	
Month	Number
April	172
May	317
June	243

- a. Elena wants to find how many toys were sold in April and May. Estimate. Then add to find the sum. Describe the strategies you used. Show your work.

- b. Jorge wants to find how many more toys were sold in April and May than in June. Estimate. Then subtract to find the difference. Choose a strategy and solve. Show your work.

2. The table shows how many stuffed animals Elena and Jorge sold in one week. Use the data to solve the problems.

Stuffed Animals Sold	
Animal	Number
Elephant	
Lion	
Giraffe	
Zebra	

- a. Use the data to make a picture graph. Think of a key you will use.

Key: Each = animals.

- b. Use the data to make a bar graph. Use a different key than in the picture graph.

3. Elena displays boxes of games on 4 shelves. She puts 6 games onto each shelf. How many games does Elena display? Choose a strategy to solve. Describe your strategy. Show your work.

4. Jorge opens a box of new action figures. The box has 6 rows with 5 action figures in each row.
- a. Show how Jorge can use an array and the Distributive Property to find how many action figures are in the box.

- b. The toy store has a total of 7 boxes of action figures. Each box holds the same number of figures as in 4a above. Show how Jorge can use the break apart strategy or a quick picture to find how many action figures in all.

Remember: You break apart 20 as $10 + 10$.

5. Jorge makes a table to show how many kinds of outdoor toys he has. Use the table to answer the questions.

Outdoor Toys	
Kind of Toy	Number
Airplanes	18
Yoyos	48
Rockets	27

- a. Jorge wants to put equal groups of rockets into 3 baskets. How many rockets will go in each basket? Draw a picture to solve. Show your work. Then write a related multiplication fact.

- b. Use the information in the chart to find how many yoyos are in the store. Yoyos come in packages of 8. Elena sells 2 packages. How many yoyos does Elena have now? Show how you solved the problem.

- c. How can Elena arrange the yoyos she has now so they are in equal groups? Describe the strategy you will use to solve. Show your work. Then write a division sentence and a related multiplication sentence.
