

Red City Rockets Portfolio

The Red City Rockets softball team is raising money to buy new softball bats. They are selling snacks to raise the money. After raising money, they will need to shop for the best bats they can afford. Help the Red City Rockets figure out how much money they raised and which bats they should buy.



Part 1

Directions: Use the following table for Part 1. You will use two methods to find how much money was raised by the team.

Fundraiser Information

Type of Snack	Price per Item
candy bar	\$2.00
peanut pack	\$3.00
popcorn ball	\$1.00

Method A

Directions: Fill in the missing information in each table to find how much money was raised by each player. Then add each player's money to find the total money raised.

1. Rita sells 8 candy bars, 0 peanut packs, and 1 popcorn ball. Use the table to find how much money she raised.

Rita's Sales

Type of Snack	Number Sold	Price	Money Raised
candy bar	8	\$2.00	$8 \times \$2.00 = \16.00
peanut pack		\$3.00	
popcorn ball		\$1.00	

Add the products in the Money Raised column to find how much Rita raised.

What is the total money raised by Rita?

2. Haley sells 0 candy bars, 8 peanut packs, and 3 popcorn balls. Use the table to find how much money she raised.

Haley's Sales

Type of Snack	Number Sold	Price	Money Raised
candy bar		\$2.00	
peanut pack		\$3.00	
popcorn ball		\$1.00	

What is the total money raised by Haley?

3. Cece sells 2 candy bars, 1 peanut pack, and 5 popcorn balls. Use the table to find how much money she raised.

Cece's Sales

Type of Snack	Number Sold	Price	Money Raised
candy bar			
peanut pack			
popcorn ball			

What is the total money raised by Cece?

4. How much money did Rita, Haley, and Cece raise in all?

$$+ \quad + \quad =$$

Method B

Directions: Fill in the missing information in the table. Find the total number of each type of snack that was sold. Use the total number of each snack sold to find the total money raised.

Total Sales

Type of Snack	Number Sold	Price	Money Raised
candy bar	Rita sold 8, Haley sold 0, and Cece sold 2. $8 + 0 + 2 =$ 10	\$2.00	$10 \times \$2.00 = \20.00
peanut pack		\$3.00	
popcorn ball		\$1.00	

What is the total money raised from snack sales?

$$\$20.00 + \quad + \quad =$$

Did you get the same answer for Method A and Method B?

Part 2

Directions: Use the following table for Part 2. The team needs to buy at least 8 new bats. The higher the price, the better the bat. The team wants to buy the best bats they can afford. Help the team decide which bats to buy.

Softball Bat Prices

Brand of Bat	Price per Bat
white series	\$4.00
silver series	\$7.00
gold series	\$8.00

How many bats of each brand could the team buy?

Shopping for Bats

Brand of Bat	Money Raised	Price per Bat	Number of Bats
white series	\$56.00	\$4.00	$\$56.00 \div \$4.00 = 14$
silver series	\$56.00	\$7.00	
gold series	\$56.00	\$8.00	

Explain how you found the number of bats for each brand.

Which brand should the team buy? Why?

Part 3

Directions: Answer the following questions based on the work you did in Parts 1 and 2.

1. For Part 1, how is Method A different from Method B? Which method was easier to use?

2. Using tools is often helpful when solving math problems. How could you use a multiplication table as a tool to help the Red City Rockets figure out how much money they raised and which bats they should buy?