

Class Party Budget

5th Grade Math Project · Money & Shopping

Grade 5 · Advanced

Name: _____ Date: _____ Class: _____

The Challenge

It's the end of the school year and your class is throwing a party! You are the party planner with a set budget.

You will make: Party Shopping List

What you will learn

- Add and subtract decimals to hundredths
- Multiply decimals by whole numbers
- Divide decimals
- Make budget decisions

Materials

- Pencil
- Calculator for checking only (optional)

How to do it

1. Part 1: Shopping List
2. Part 2: Stay on Budget
3. Part 3: Cost per Student
4. Part 4: Better Buy
5. Check your work and share your party shopping list.

Part 1: Shopping List

Your budget is $120.00. Find the cost of each item and the total.

Item	Price	Quantity	Cost
Balloons	$4.75	4	
Juice box pack	$6.49	5	
Paper plates	$3.89	3	
Pizza	$12.75	5	

1. Cost of 4 × Balloons at $4.75 each

2. Cost of 5 × Juice box pack at $6.49 each

3. Cost of 3 × Paper plates at $3.89 each

4. Cost of 5 × Pizza at $12.75 each

5. Total cost

Part 2: Stay on Budget

6. How much money is left (or how much over budget)?

Part 3: Cost per Student

There are 28 students.

7. What is the cost per student? Round to the nearest cent.

Part 4: Better Buy

Pack A: 8 cookies for $5.76. Pack B: 12 cookies for $8.28.

8. Find the price of one cookie in each pack.

9. Which pack is the better buy?

⭐ Extension Challenge

Choose one item to change so the party stays under budget and costs as close to the budget as possible. Show your new total.

How your project will be scored

Category	4 Excellent	3 Good	2 Developing	1 Beginning
Math accuracy	All answers correct	Most answers correct	Some answers correct	Few answers correct
Shows work	Clear work for every step	Work for most steps	Some work shown	Little work shown
Explains thinking	Clear, complete explanations	Mostly clear explanations	Some explanation	Little explanation
Final product	Complete, neat and creative	Complete and neat	Partly complete	Not complete