Name _____

Copilot's Snack Shop

Ever wonder what it takes to throw the perfect class party without running out of snacks - or money? In this activity, you'll team up with Microsoft Copilot to turn snack planning into a math mission. You'll create your own word problem about buying food and drinks for your class, solve it yourself, and then use Copilot to check your math. The goal isn't just to get the right answer - it's to see how AI *thinks* about math and to make sure you understand each step along the way.

Let's warm up with an example before you create your own:

Example Problem: *If a bag of chips costs $2 and juice boxes cost $3 each, how much will it cost to buy 4 bags of chips and 6 juice boxes for the class?*

You can solve this by hand:
4 bags of chips × $2 each = $8
6 juice boxes × $3 each = $18
Then add them together: $8 + $18 = **$26 total**

Now, open Microsoft Copilot and type this prompt:

"Can you help me solve this word problem: If chips cost $2 and juice costs $3 each, how much will it cost to buy 4 bags of chips and 6 juice boxes?"

Compare Copilot's answer to yours. Does it explain its steps clearly? Does it get the same answer? If not, see where the math or interpretation might differ. AI can sometimes make mistakes or assume things differently - that's your chance to double-check your understanding!

Step 1: Build Your Own Snack Problem - Think about what snacks or drinks you'd buy for a class party. Try to include at least **two different items** and a few quantities for each one.

Write your own word problem below:

_____

_____

_____

Now, solve it yourself using multiplication, addition, or subtraction. Show your work below:

Step 2: Ask Copilot - Go to Microsoft Copilot and type your word problem. You can say something like:

"Can you solve this word problem and show me your steps?"

Write down the answer Copilot gives you here:

_____

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Was Copilot's answer the same as yours? If not, explain the difference:

_____

_____

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Step 3: Reflection

1. What did you learn about how AI solves math problems?

2. Did Copilot explain its steps in a way that made sense to you?

3. Would you trust Copilot's answer next time, or would you double-check it? Why?