

Name \_\_\_\_\_

## Project

### CRITICAL AREA

Completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers

## Sweet Success

1

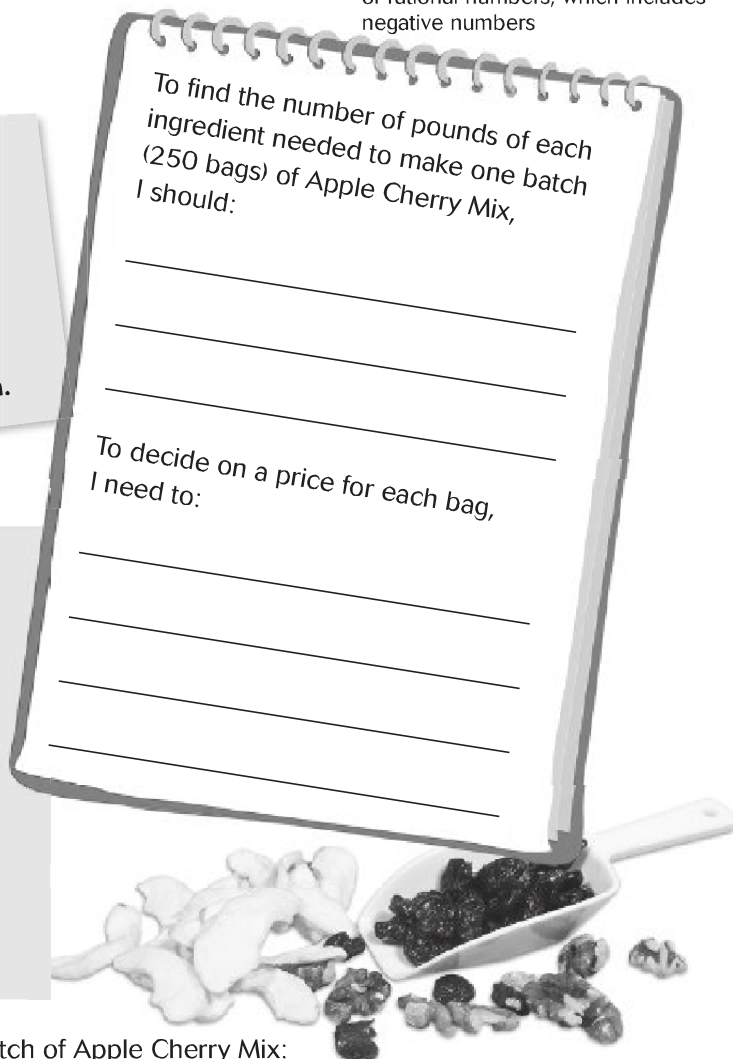
### Plan

- You are asked to determine how many pounds of each ingredient are needed to make one batch of Apple Cherry Mix.
- You must also decide on a price for each bag of Apple Cherry Mix.
- Use the Important Facts to help you plan.

2

### Put It Together

- Read the ingredients in one bag of Apple Cherry Mix. Choose an appropriate operation to find the number of pounds of each ingredient that are needed to make 250 bags.
- Use one or more operations to find the total cost of making one bag of Apple Cherry Mix.
- Talk to a partner to decide how much the company should charge for one bag of Apple Cherry Mix.



I would use these ingredients to make one batch of Apple Cherry Mix:

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The total cost of the ingredients in each bag of Apple Cherry Mix is:

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I think the company should charge this amount for each bag of Apple Cherry Mix:

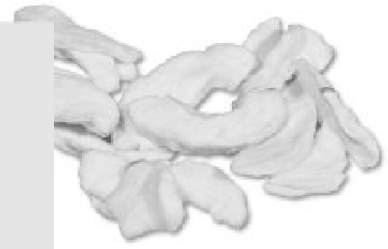
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### Reflect

- What price did you choose for each bag of Apple Cherry Mix?
- How did you decide on this price?




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4

### Go Beyond

- Here are the ingredients in one bag of Apricot Cranberry Mix.  
 $\frac{2}{3}$  pound of dried apricots  
 $\frac{3}{4}$  pound of dried cranberries  
 $\frac{1}{4}$  pound of slivered almonds
- The company makes a large batch of Apricot Cranberry Mix using 60 pounds of dried apricots.
- How many pounds of dried cranberries and slivered almonds should the company use in this batch?
- How many bags of Apricot Cranberry Mix can they make from this batch?




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