



Trail Mix Mix-Up!

A Practical Math Activity

Planning, shopping, and budgeting for a trail-mix snack are great ways to practice real-life math skills!

Challenge your students to calculate sales tax and coupon savings with the bonus Extension Activity page.



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REV0526

Planning My Trail Mix

Let's make a yummy Trail Mix! Before you go shopping for ingredients, it helps to have a plan. When you know exactly how much money you have to spend and what you truly *need* to buy, you are less likely to overspend. You can leave the store confident that you bought what you need *and* stayed within your budget.

Plan

You're getting ready to mix up a big batch of yummy trail mix to share with friends on a hike. Before you start shopping, let's go over your plan.

- You have \$40 to spend on your trail mix for everyone.
- You should buy at least 6 items.
- You need to buy:
 - 1 pack of bags
 - at least 1 protein
 - at least 1 dried fruit
 - at least 1 carb crunch



Steps

- 1) **Color** the Trail Mix Ingredients and My Trail Mix pages.
- 2) **Cut out** the Trail Mix Ingredients on the dashed grey lines.
- 3) **Plan** your own special trail mix. Choose which Trail Mix Ingredients to buy and place them in the shopping basket on your My Trail Mix page. (Don't glue them yet!)
- 4) **Write** each item you chose and its price on the My Trail Mix Budget page and add them all up. Use a pencil so you can erase any mistakes.
- 5) **Check:** Did you spend \$40 or *less*? Did you buy everything you *need*? If not, what do you need to put back? What else do you need to buy?
- 6) **Correct** your budget and add it up again.
- 7) When your Trail Mix Budget is correct, **glue** down the Trail Mix Ingredients that match your budget onto the basket on the My Trail Mix page. (If you will be completing the Extension Activity, you can skip this step.)
- 8) **Complete** the Reflection question.

Trail Mix Ingredients

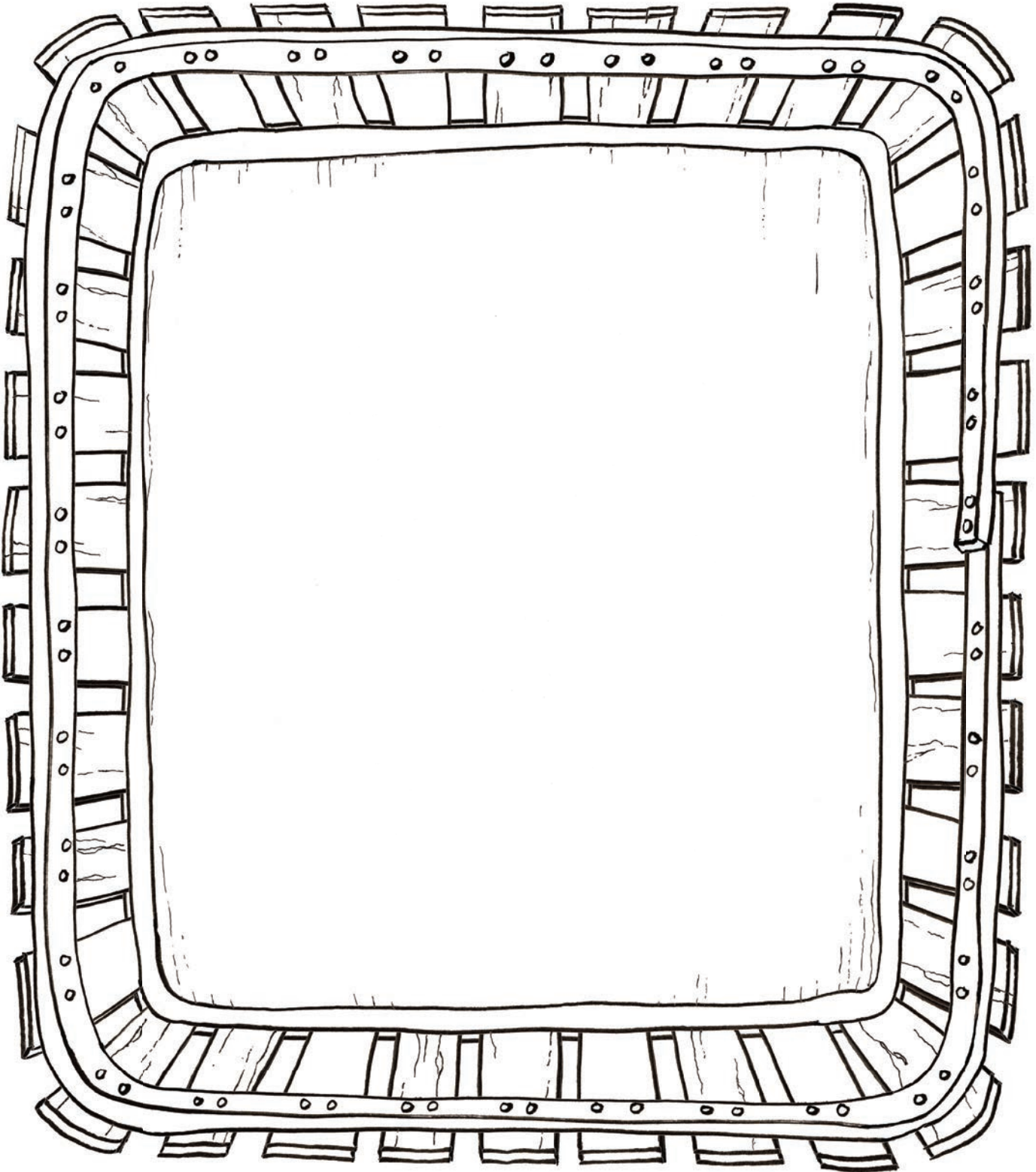
- 1) **Color** this page and the My Trail Mix page.
- 2) **Cut out** the Trail Mix Ingredients on the dashed grey lines.



<p>Proteins</p>  <p>Peanuts \$7</p>	<p>Proteins</p>  <p>Almonds \$8</p>	<p>Proteins</p>  <p>Pumpkin Seeds \$4</p>	<p>Proteins</p>  <p>Sunflower Seeds \$2</p>
<p>Dried Fruits</p>  <p>Raisins \$4</p>	<p>Dried Fruits</p>  <p>Cranberries \$5</p>	<p>Dried Fruits</p>  <p>Apple Pieces \$6</p>	<p>Dried Fruits</p>  <p>Cherries \$10</p>
<p>Carb Crunch</p>  <p>Mini Pretzels \$2</p>	<p>Carb Crunch</p>  <p>Cereal \$5</p>	<p>Carb Crunch</p>  <p>Mini Crackers \$3</p>	<p>Carb Crunch</p>  <p>Granola \$7</p>
<p>Plastic Bags</p>  <p>20 Bags \$4</p>	<p>Paper Bags</p>  <p>30 Bags \$5</p>	<p>Spice Mix</p>  <p>Spices \$4</p>	<p>Treat</p>  <p>Mini Morsels \$10</p>

My Trail Mix

- 3) **Plan** your trail mix. Choose which Trail Mix Ingredients to buy and place them here, inside your shopping basket. (Don't glue them yet!)



My Trail Mix Budget

- 4) **Write** each item you chose and its price, then **add** them all up. Use a pencil so you can erase any mistakes.

	Item Name	Price
1		\$
2		\$
3		\$
4		\$
5		\$
6		\$
7		\$
8		\$
9		\$
10		\$
11		\$
12		\$
	Total	\$

\$40 - = \$ _____ your change

- 5) **Check:** Did you spend \$40 or *less*? Did you buy everything you need? If not, what do you need to put back? What else do you need to buy?
- 6) **Correct** your budget and add it up again.
- 7) Return to the My Trail Mix page and **glue** down the Trail Mix Ingredients that match your budget. (If you will be completing the Extension Activity, you can skip this step.)
- 5) **Reflection:** How can you apply what you learned here to a shopping trip at a real store?
