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WHODIDIT?

Dear Teacher,

Each student will need a copy of the 2-page Whodidit Worksheets.

Each correct answer will result in a clue. Have students write down their answers in the boxes provided on the 2nd page. Once they have collected the information, students will check off the Players, Last Known Whereabouts, and Methods that are accounted for. The one remaining from each column is the correct solution.

Print out the "Clues" and cut them out. You could laminate them for future use. The clues are designed to be spread out in different locations around the classroom and let the students go from clue to clue. They do not need to go in order. Students could work in groups or individually. You can check it once they think they have all the clues solved. In this case it should be:

"Sugar Smith kidnapped someone on the patio."

Have questions or suggestions?

Email me at arlene@twinsandteaching.com

Name: _____

WHODIDIT?



A group of nutritionists went on vacation to a spa, strangely, one of them went missing. Six people were last seen with the missing person. They need your help to solve the crime and bring the nutritionists home! The question is whodidit?

Can you solve it?

Place your answer to each clue in the boxes below including the sentence next to the answer.

1.	2.
3.	4.
5.	6.
7.	8.
9.	10.

WHO IS THE "CRIMINAL"?

CHECK THE PEOPLE, PLACES AND OBJECTS YOU FOUND. (THE THREE BOXES LEFT UNCHECKED WILL REVEAL THE CRIME. IF YOU CANNOT FIGURE IT OUT, YOU MAY BE NEXT...)

THE PLAYERS

<input type="checkbox"/>	Joe Serving
<input type="checkbox"/>	Katie Calories
<input type="checkbox"/>	Professor Apple
<input type="checkbox"/>	Dr. Protein
<input type="checkbox"/>	Sugar Smith
<input type="checkbox"/>	Mrs. Potassium

THE LAST KNOWN WHEREABOUTS

<input type="checkbox"/>	Gym
<input type="checkbox"/>	Green room
<input type="checkbox"/>	Kitchen
<input type="checkbox"/>	Bedroom
<input type="checkbox"/>	Game Room
<input type="checkbox"/>	Patio

THE METHOD

<input type="checkbox"/>	Drowning
<input type="checkbox"/>	Plane Crash
<input type="checkbox"/>	Strangling
<input type="checkbox"/>	Fallen Object
<input type="checkbox"/>	Kidnapping
<input type="checkbox"/>	Vitamin Poisoning

Your answer is:

WHODIDIT?

CLUE #1

According to the nutrition label, what is the serving size for the item?

- 8** Professor Apple was in the kitchen making dinner.
- 2/3 cup** Mrs. Potassium was in the gym lifting weights.
- 230** Sugar Smith was playing Mario Cart in the game room.
- 10%** Drowning was not the cause of the missing nutritionist.

Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
<hr/>	
Amount per serving	
Calories	230
<hr/>	
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
<hr/>	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 240mg	6%
<hr/>	

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?



CLUE #2

"Serving per container" on a nutrition label indicates the total number of servings the entire package contains. If a bag of chips lists "Servings Per Container: 8" and you eat half of the bag, how many servings have you consumed?

- 4** Katie Calories was in the bedroom scrolling Instagram.
- 8** Dr. Protein was in the foyer playing cards.
- 12** Joe Serving was dancing in the green room.
- 2** Mrs. Potassium was napping on the patio.



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WHODIDIT?

CLUE #3

What percent of daily fiber is included in this food item?

13% Professor Apple was in the bedroom brushing his hair.

4 grams Mrs. Potassium was in the bedroom doing her hair.

12 grams A fallen object was not the cause of the disappearance.

14% Strangling was not the cause of the disappearance.

Nutrition Facts

8 servings per container

Serving size 2/3 cup (55g)

Amount per serving

Calories **230**

% Daily Value*

Total Fat 8g **10%**

Saturated Fat 1g **5%**

Trans Fat 0g

Cholesterol 0mg **0%**

Sodium 160mg **7%**

Total Carbohydrate 37g **13%**

Dietary Fiber 4g **14%**

Total Sugars 12g

Includes 10g Added Sugars **20%**

Protein 3g

Vitamin D 2mcg **10%**

Calcium 260mg **20%**

Iron 8mg **45%**

Potassium 240mg **6%**

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?

CLUE #4

What is the difference in the total mgs of vitamins and minerals between the two foods?

261 mg Professor Apple was in the foyer making bracelets.

505 mg None of the nutritionists drown.

244 mg The nutritionist was not hit by a fallen object.

15 mg Joe Serving was in the kitchen cleaning the stove.

2

Nutrition Facts

8 servings per container

Serving size 2/3 cup (55g)

Amount per serving

Calories **230**

% Daily Value*

Total Fat 8g **10%**

Saturated Fat 1g **5%**

Trans Fat 0g

Cholesterol 0mg **0%**

Sodium 160mg **7%**

Total Carbohydrate 37g **13%**

Dietary Fiber 4g **14%**

Total Sugars 12g

Includes 10g Added Sugars **20%**

Protein 3g

Vitamin D 2mcg **10%**

Calcium 260mg **20%**

Iron 8mg **45%**

Potassium 235mg **6%**

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

1 Nutrition Facts

about 14 servings per container

Serving size

2 Tbsp (32g)

Calories

per serving **180**

Amount/serving % DV

Total Fat 16g **21%**

Sat. Fat 2g **10%**

Trans Fat 0g

Polyunsaturated Fat 5g

Monounsaturated Fat 8g

Cholesterol 0mg **0%**

Protein 8g

Vit. D 0mcg 0% • Calcium 30mg 2%

• Iron 1mg 6% • Potas. 230mg 4%

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If you ate 4 Tbsps of this food, what percent daily value of carbohydrates would you have consumed?

Nutrition Facts	Amount/serving	% DV	Amount/serving	% DV
about 14 servings per container				
Serving size 2 Tbsp (32g)				
Calories per serving	180			
			Vit. D 0mcg 0% • Calcium 30mg 2% • Iron 1mg 6% • Potas. 230mg 4%	

10 grams None of the nutritionists were involved in a plane crash.

10% A fallen object did not cause the contestant to disappear.

5 grams Katie Calories was in the kitchen, cleaning the pantry.

4% Dr. Protein was in the kitchen cooking chicken.

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WHODIDIT?



CLUE #6

How many ingredients are in this ingredient list found on a food label? (don't include what is in parentheses).

INGREDIENTS: CORN, VEGETABLE OIL (CORN, CANOLA, AND/OR SUNFLOWER OIL), SALT, CORN STARCH, TOMATO POWDER, LACTOSE, WHEY, SKIM MILK, ONION POWDER, SUGAR, GARLIC POWDER, MONOSODIUM GLUTAMATE, MALTODEXTRIN (MADE FROM CORN), CHEDDAR CHEESE (MILK, CHEESE CULTURES, SALT, ENZYMES), DEXTROSE, MALIC ACID, CORN SYRUP

17 Joe Serving is painting in the green room.

19 A plane crash was not the reason for the disappearance.

18 Professor Apple was playing darts in the game room.

15 Strangling did not occur.



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Which food allergen do both ingredient lists include?

Soy Sugar Smith was in the foyer drinking tea.

Salt A fallen object did not cause the missing nutritionist.

Wheat Katie Calories was in the game room playing darts.

Milk A plane crash was not the cause of the missing nutritionist.

1 Ingredients: Enriched Corn Meal (Corn Meal, Ferrous Sulfate, Niacin, Thiamin Mononitrate, Riboflavin, Folic Acid), Sunflower Oil, Cheddar Cheese (Milk, Cheese Cultures, Salt, Enzymes), Whey, Maltodextrin (Made from Corn), Sea Salt, Natural Flavors, Sour Cream (Cultured Cream, Skim Milk), Torula Yeast, Lactic Acid, and Citric Acid.
CONTAINS MILK INGREDIENTS.

2 Ingredients: Enriched flour (wheat flour, niacin, reduced iron, vitamin B₁ [thiamin mononitrate], vitamin B₂ [riboflavin], folic acid), **vegetable oil** (high oleic soybean, soybean, palm, and/or canola oil with TBHQ for freshness), **cheese made with skim milk** (skim milk, whey protein, salt, cheese cultures, enzymes, annatto extract color).

Contains 2% or less of salt, paprika, yeast, paprika extract color, soy lecithin.

CONTAINS WHEAT, MILK AND SOY INGREDIENTS.

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If you had 2 Tbsps of this honey, what percentage daily value of sugar would you have remaining for the day?

83 g A fallen object did not cause the nutritionist to disappear.

66% Professor Apple is in the game room playing Mario Cart.

34% Dr. Potassium is in the gym running on the treadmill.

66 g A plane crash was not the cause of the disappearance.

Honey Nutrition Facts

11 Servings Per Container

Serving Size 2 Tbsp [42g]

AMOUNT PER SERVING

Calories 60 % Daily Value*

Total Fat 0g 0%

Saturated Fat 0g 0%

Trans Fat 0g 0%

Cholesterol 0mg 0%

Sodium 0mg 0%

Total Carbohydrate 17g 6%

Dietary Fiber 0g 0%

Total Sugars 17g 34%

Protein 0g

Vitamin D 0mcg 0%

Calcium 0mg 0%

Iron 0mg 0%

Potassium 0mg 0%

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?

CLUE #9



If you were to eat the entire container of this food, how many calories would you consume?

1,840 There was no vitamin poisoning on the trip.

460 None of the nutritionists were hit by a fallen object.

230 Katie Calories was in the green room painting her nails.

90% Mrs. Potassium was riding a scooter around the kitchen.

Nutrition Facts

8 servings per container

Serving size 2/3 cup (55g)

Amount per serving

Calories **230**

% Daily Value*

Total Fat 8g **10%**

Saturated Fat 1g **5%**

Trans Fat 0g

Cholesterol 0mg **0%**

Sodium 160mg **7%**

Total Carbohydrate 37g **13%**

Dietary Fiber 4g **14%**

Total Sugars 12g

Includes 10g Added Sugars **20%**

Protein 3g

Vitamin D 2mcg **10%**

Calcium 260mg **20%**

Iron 8mg **45%**

Potassium 240mg **6%**

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?

CLUE #10

How much more of the following does cereal 1 have than cereal 2: fat, sugar, calories.

3.5g, 9mg, 15 No one was kidnapped.

3.5mg, 9g, 14 Dr. Protein was in the gym doing squats.

4g, 9mg, 15 Joe Serving was on the patio whistling.

3.5g, 9g, 10 None of the nutritionists drown.

14 serving servings per container

Serving Size

222.75 g

Amount per serving

Calories

160

% Daily Value*

Total Fat 4.5g

5%

Saturated Fat 0.5g

-%

Trans Fat 0g

-%

Polyunsaturated Fat 1g

0%

Monounsaturated Fat 2g

9%

Cholesterol 0mg

11%

Sodium 220mg

7%

Total Carbohydrate 30g

24%

Dietary Fiber 2g

-%

Sugars 12g

-%

Includes Added Sugars 12g

24%

Protein 3g

13 servings per container

Serving Size

11/3 cup

Amount per serving

Calories

150

% Daily Value*

Total Fat 1g

1%

Saturated Fat 0g

0%

Trans Fat 0g

-%

Cholesterol 0mg

0%

Sodium 310mg

13%

Total Carbohydrate 35g

13%

Dietary Fiber 2g

5%

Sugars 3g

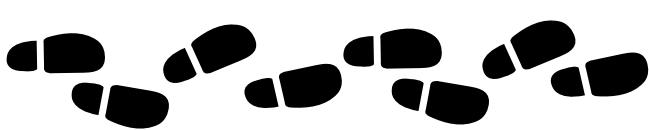
-%

Includes Added Sugars 3g

6%

Protein 3g

0%



WHODIDIT?

ANSWER

“Sugar Smith kidnapped someone on the patio.”

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WHODIDIT?

CLUE #1

According to the nutrition label, what is the serving size for the item?

Nutrition Facts	
3 servings per container	
Serving size	2/3 cup (55g)
<hr/>	
Amount per serving	
Calories	230
<hr/>	
	<small>% Daily Value*</small>
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 240mg	6%
<hr/>	
<small>* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.</small>	

8 Professor Apple was in the kitchen making dinner.

2/3 cup Mrs. Potassium was in the gym lifting weights.

230 Sugar Smith was playing Mario Cart in the game room.

10% Drowning was not the cause of the missing nutritionist.

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WHODIDIT?

CLUE #2

"Serving per container" on a nutrition label indicates the total number of servings the entire package contains. If a bag of chips lists "Servings Per Container: 8" and you eat half of the bag, how many servings have you consumed?

4 Katie Calories was in the bedroom scrolling Instagram.

8 Dr. Protein was in the foyer playing cards.

12 Joe Serving was dancing in the green room.

2 Mrs. Potassium was napping on the patio.



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WHODIDIT?



CLUE #3

What percent of daily fiber is included in this food item?

13% Professor Apple was in the bedroom brushing his hair.

4 grams Mrs. Potassium was in the bedroom doing her hair.

12 grams A fallen object was not the cause of the disappearance.

14% Strangling was not the cause of the disappearance.

Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
Amount per serving	
Calories	230
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 240mg	6%
* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.	

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WHODIDIT?



CLUE #4

What is the difference in the total mgs of vitamins and minerals between the two foods?

261 mg Professor Apple was in the foyer making bracelets.

505 mg None of the nutritionists drown.

244 mg The nutritionist was not hit by a fallen object.

15 mg Joe Serving was in the kitchen cleaning the stove.

Amount/serving	% DV	Amount/serving	% DV
Total Fat 16g	21%	Sodium 0mg	0%
Sat. Fat 2g	10%	Total Carb. 5g	2%
Trans Fat 0g		Dietary Fiber 3g	11%
Polysaturated Fat 5g		Total Sugars 2g	
Monounsaturated Fat 8g		Incl. 0g Added Sugars	0%
Cholesterol 0mg	0%	Protein 8g	
Calories per serving		Vit. D 0mcg 0% • Calcium 30mg 2% • Iron 1mg 6% • Potas. 230mg 4%	

Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
Amount per serving	
Calories	230
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 235mg	6%
* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.	

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WHODIDIT?

CLUE #5

If you ate 4 Tbsps of this food, what percent daily value of carbohydrates would you have consumed?

Nutrition Facts	Amount/serving	% DV	Amount/serving	% DV
about 14 servings per container	Total Fat 16g	21%	Sodium 0mg	0%
Serving size 2 Tbsp (32g)	Sat. Fat 2g	10%	Total Carb. 5g	2%
	Trans Fat 0g		Dietary Fiber 3g	11%
	Polyunsaturated Fat 5g		Total Sugars 2g	
	Monounsaturated Fat 8g		Incl. 0g Added Sugars	0%
Calories per serving 180	Cholesterol 0mg	0%	Protein 8g	
	Vit. D 0mcg 0% • Calcium 30mg 2% • Iron 1mg 6% • Potas. 230mg 4%			

10 grams None of the nutritionists were involved in a plane crash.

10% A fallen object did not cause the contestant to disappear.

5 grams Katie Calories was in the kitchen, cleaning the pantry.

4% Dr. Protein was in the kitchen cooking chicken.

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WHODIDIT?

CLUE #6

How many ingredients are in this ingredient list found on a food label? (don't include what is in parentheses).

INGREDIENTS: CORN, VEGETABLE OIL (CORN, CANOLA, AND/OR SUNFLOWER OIL), SALT, CORN STARCH, TOMATO POWDER, LACTOSE, WHEY, SKIM MILK, ONION POWDER, SUGAR, GARLIC POWDER, MONOSODIUM GLUTAMATE, MALTODEXTRIN (MADE FROM CORN), CHEDDAR CHEESE (MILK, CHEESE CULTURES, SALT, ENZYMES), DEXTROSE, MALIC ACID, CORN SYRUP

17 Joe Serving is painting in the green room.

19 A plane crash was not the reason for the disappearance.

18 Professor Apple was playing darts in the game room.

15 Strangling did not occur.



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WHODIDIT?



CLUE #7

Which food allergen do both ingredient lists include?

Soy Sugar Smith was in the foyer drinking tea.

Salt A fallen object did not cause the missing nutritionist.

Wheat Katie Calories was in the game room playing darts.

Milk A plane crash was not the cause of the missing nutritionist.

1 **Ingredients:** Enriched Corn Meal (Corn Meal Ferrous Sulfate, Niacin, Thiamin Mononitrate, Riboflavin, Folic Acid), Sunflower Oil, Cheddar Cheese (Milk, Cheese Cultures, Salt, Enzymes), Whey, Maltodextrin (Made from Corn), Sea Salt, Natural Flavors, Sour Cream (Cultured Cream, Skim Milk), Torula Yeast, Lactic Acid, and Citric Acid.
CONTAINS MILK INGREDIENTS.

2 **Ingredients:** Enriched flour (wheat flour, niacin, reduced iron, vitamin B₁ [thiamin mononitrate], vitamin B₂ [riboflavin], folic acid), vegetable oil (high oleic soybean, soybean, palm, and/or canola oil with TBHQ for freshness), cheese made with skim milk (skim milk, whey protein, salt, cheese cultures, enzymes, annatto extract color).
Contains 2% or less of salt, paprika, yeast, paprika extract color, soy lecithin.
CONTAINS WHEAT, MILK AND SOY INGREDIENTS.

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WHODIDIT?



CLUE #8

If you had 2 Tbsps of this honey, what percentage daily value of sugar would you have remaining for the day?

83 g A fallen object did not cause the nutritionist to disappear.

66% Professor Apple is in the game room playing Mario Cart.

34% Dr. Potassium is in the gym running on the treadmill.

66 g A plane crash was not the cause of the disappearance.

Honey Nutrition Facts	
11 Servings Per Container	
Serving Size	2 Tbsp [42g]
Amount per serving	
Calories	60
	% Daily Value*
Total Fat 0g	0%
Saturated Fat 0g	0%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 0mg	0%
Total Carbohydrate 17g	6%
Dietary Fiber 0g	0%
Total Sugars 17g	34%
Protein 0g	
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 0mg	0%

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?



CLUE #9

If you were to eat the entire container of this food, how many calories would you consume?

1,840 There was no vitamin poisoning on the trip.

460 None of the nutritionists were hit by a fallen object.

230 Katie Calories was in the green room painting her nails.

90% Mrs. Potassium was riding a scooter around the kitchen.

Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
Amount per serving	
Calories	230
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 240mg	6%

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

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WHODIDIT?

CLUE #10

How much more of the following does cereal 1 have than cereal 2: fat, sugar, calories.

3.5g, 9mg, 15 No one was kidnapped.

3.5mg, 9g, 14 Dr. Protein was in the gym doing squats.

4g, 9mg, 15 Joe Serving was on the patio whistling.

3.5g, 9g, 10 None of the nutritionists drowned.

14 serving	servings per container	
Serving Size		222.75 g
Amount per serving		
Calories	160	
Total Fat 4.5g		5%
Saturated Fat 0.5g		-%
Trans Fat 0g		-%
Monounsaturated Fat 2g		
Polyunsaturated Fat 1g		
Cholesterol 0mg		0%
Sodium 220mg		9%
Total Carbohydrate 30g		11%
Dietary Fiber 2g		7%
Sugars 12g		-%
Includes Added Sugars 12g		24%
Protein 3g		
13 serving	servings per container	
Serving Size		1 1/3 cup
Amount per serving		
Calories	150	
Total Fat 1g		1%
Saturated Fat 0g		0%
Trans Fat 0g		-%
Cholesterol 0mg		0%
Sodium 310mg		13%
Total Carbohydrate 35g		13%
Dietary Fiber 2g		5%
Sugars 3g		-%
Includes Added Sugars 3g		6%
Protein 3g		0%

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