

GAS STATION SITUATIONS

TO SAY THERE WAS A LOT OF GAS INVOLVED IN THIS ROAD TRIP WOULD BE AN UNDERSTATEMENT! MOM HAS BEEN CRAZY ABOUT DOCUMENTING HOW MUCH GAS YOU HAVE USED DRIVING TO EACH OF YOUR DESTINATIONS. HELP HER FILL IN HER FANCY EXCEL SPREADSHEET BELOW BY FINDING THE MISSING NUMBERS.

STOP #	COST PER GALLON	GALLONS FILLED	TOTAL SPENT	MILES DRIVEN	MILES PER GALLON
1	$2.80	16		384	
2	$3.46	15		345	
3	$2.45	13		273	
4	$2.68	12		324	
5	$3.82	10		250	
6	$2.74	16		368	
7	$2.89	19		475	
8	$3.13	12		228	
9	$2.42	15		330	
10	$2.5	18		486	

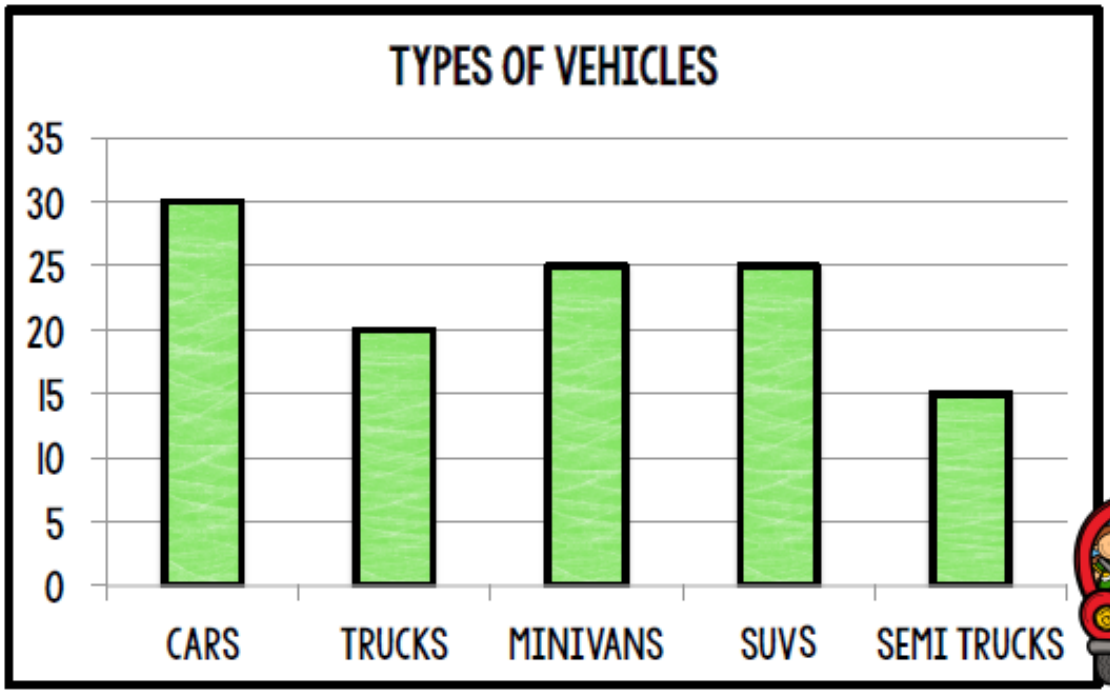
GAS STATION SITUATION QUESTIONS

1. The fuel tank in your car has a maximum capacity of 19.5 gallons. Before which stop were they almost completely out of gas? Explain.
2. What was the difference between the highest priced gas and the lowest priced gas?
3. After which stop did you get the most miles per gallon of gas?
4. Why do you think a different number of gallons were filled on most stops?

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ALL TYPES OF TRANSPORTATION

THERE ARE SO MANY MODES OF TRANSPORTATION ON THE ROAD THAT YOU DECIDED IT WOULD BE FUN TO GRAPH THE DIFFERENT TYPES YOU SEE ALONG THE WAY. BELOW IS A GRAPH THAT DISPLAYS THE DATA. USE IT TO COMPLETE THE TASKS BELOW.





Fill in the table below with what fraction of the vehicles were each type.

CARS	TRUCKS	MINIVANS	SUVS	SEMI TRUCKS

You tried to get every semi truck to honk, but only 7 did. What fraction of semi trucks you saw honked?

Eight of the cars you saw were red. What fraction of cars you saw was red?

Your brother argues that trucks and SUVs are the same thing. If he's right, what fraction of all the vehicles were the trucks and SUVs?

Explain how you found the denominator for the fractions in the table above.

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GET IN MY BELLY!



YOU STOCKED UP ON ALL THOSE SNACKS, AND NOW IT'S TIME TO CALCULATE SOME NUTRITION INFORMATION! DON'T BE SHOCKED WHEN YOU SEE HOW MUCH SUGAR YOU'VE EATEN IN A DAY...

DORITOS

Nutrition Facts

Serving Size
Servings Per Container

Amount Per Serving	
Calories	Calories from Fat
	% Daily Value*
Total Fat	
Saturated Fat	
Trans Fat	
Cholesterol	
Sodium	
Total Carbohydrate	
Dietary Fiber	
Sugars	
Protein	
Vitamin	

*Percent Daily Values are based on a 2,000 calorie diet.

M&Ms

Nutrition Facts

Serving Size 1 package
Servings Per Container 1

Amount Per Serving		
Calories 230	Calories from Fat 80	
		% Daily Value*
Total Fat 6 g		30%
Saturated Fat 6 g		
Trans Fat 0 g		
Cholesterol 5 mg		
Sodium 35 mg		1%
Total Carbohydrate 34 g		11%
Dietary Fiber 1 g		4%
Sugars 31 g		
Protein 2 g		
Vitamin		

*Percent Daily Values are based on a 2,000 calorie diet.

PRETZELS

Nutrition Facts

Serving Size 25 pretzels
Servings Per Container 10

Amount Per Serving		
Calories 120	Calories from Fat 14	
		% Daily Value*
Total Fat 1 g		1%
Saturated Fat 0 g		
Trans Fat 0 g		
Cholesterol 0 g		
Sodium 120 mg		5%
Total Carbohydrate 23 g		8%
Dietary Fiber 7 g		30%
Sugars 11 g		
Protein 3 g		6%
Vitamin		

*Percent Daily Values are based on a 2,000 calorie diet.

TWIZZLERS

Nutrition Facts

Serving Size 4 pieces
Servings Per Container 10

Amount Per Serving		
Calories 160	Calories from Fat 5	
		% Daily Value*
Total Fat 0.5 g		1%
Saturated Fat 0 g		
Trans Fat 0 g		
Cholesterol 0 g		
Sodium 95 mg		4%
Total Carbohydrate 36 g		12%
Dietary Fiber 0 g		0%
Sugars 19 g		
Protein 1 g		
Vitamin		

*Percent Daily Values are based on a 2,000 calorie diet.

READ THE DIRECTIONS BELOW TO FILL OUT THE NUTRITIONAL INFORMATION FOR THE DORITOS.

(YOU DO NOT NEED TO FILL OUT THE PERCENT DAILY VALUE OR VITAMIN SECTIONS)

The Doritos serving size is one package, and there is one serving per container. There are five grams of fat and 26 times as many calories as there are grams of fat. There is no Trans Fat, Cholesterol, or Sugar in Doritos. There are four times as many grams of carbohydrates as there are grams of fat and ten times as many milligrams of sodium as there are grams of carbohydrates. There are 18 fewer grams of protein than carbohydrates. The Doritos have the same number of grams of fiber as they do protein.

NOW, USE THE NUTRITIONAL INFORMATION ABOVE TO ANSWER THE FOLLOWING QUESTIONS.

One serving of pretzels is 25 pretzels and there are 10 servings in the bag. If you ate TWO servings, how much calories, fat, sodium, and sugar did you eat?

CALORIES	
FAT	
SODIUM	
SUGAR	

Would you eat more calories having a package of M&Ms or TWO servings of Twizzlers?

Would you eat more fat having TWO packages of Doritos or TWO servings of M&Ms?

If you ate one serving of each item, how many calories would you eat?

If you ate HALF a bag of Twizzlers, how many calories would you be eating?

Write fractions to show how many calories from fat are in the following snacks.

(HINT: YOUR DENOMINATOR WILL BE THE TOTAL NUMBER OF CALORIES)

M&MS	
PRETZELS	
TWIZZLERS	

TIME TO HEAD HOME

A LONG AND WINDING ROAD

IT'S BEEN A FUN TRIP, AND YOU'VE MADE IT ALL THE WAY ACROSS THE COUNTRY! BUT THE IDEA OF SPENDING ANOTHER TWENTY DAYS IN THE CAR MAKES YOU A LITTLE CRAZY. INSTEAD, YOU AND YOUR FAMILY ARE HEADING HOME ON AN AIRPLANE.

You're trying to make some decisions about where you would like to fly from and when. You have two options: You can fly from a small airport in Portland, ME or a larger airport in Boston, MA. Check out the information below.

FROM PORTLAND, ME TO SAN DIEGO, CA

DRIVING DISTANCE FROM NEDDICK, MAINE: 48.4 MILES



UNITED AIRLINES
Portland to San Diego
5:45a-10:34a
$429.60



AMERICAN AIRLINES
Portland to San Diego
7:50a-9:24a
$431.20



JETBLUE AIRLINES
Portland to San Diego
1:37p-8:12p
$562.60

FROM BOSTON, MA TO SAN DIEGO, CA

DRIVING DISTANCE FROM NEDDICK, MAINE: 73.5 MILES



AMERICAN AIRLINES
Boston to San Diego
1:30p-6:35p
$204.60



DELTA
Boston to San Diego
5:39a-10:23a
$263.20



UNITED AIRLINES
Boston to San Diego
7:29a-12:26p
$265.50

1. Of all three choices from Portland, which one would you pick and why?

2. Of all three choices from Boston, which one would you pick and why?

3. Of all six choices together, which one would you pick and why?

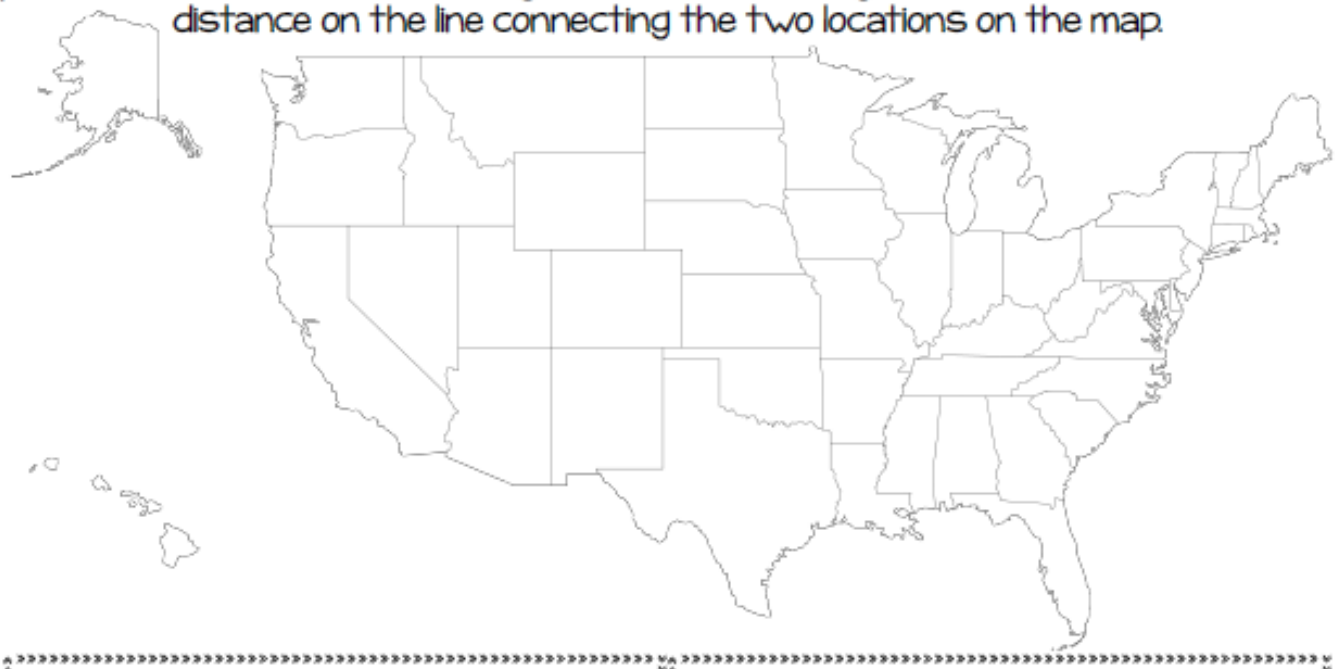
1. Estimate to find out which flight is the longest. Explain how you estimated.

2. Which two flights are closest in price ?

3. If you needed to arrive 2 hours before your flight, which flights would you need to arrive BEFORE noon for?

JUST CAN'T GET ENOUGH?

It's your turn to do some road tripping! From YOUR hometown, choose five different places you would like to go. Draw them out on the map, labeling each destination. In all, you should have five lines on your map showing the five different destinations. Look up the distances between each your hometown and your destination and write the distance on the line connecting the two locations on the map.



Convert one of the trips to be converted into feet.
(Remember: 1 mile = 5,280 feet)

Convert the shortest trip into inches.

Write an addition equation that requires regrouping to represent the distance traveled on the LONGEST trip.

Write a subtraction equation that requires regrouping to represent the distance traveled on the SHORTEST trip.

Find the total distance traveled on a round trip (going there AND back) for ALL of the trips combined.

A CALENDAR OF EVENTS

For your reference, here's a peek at your twenty day road trip!

Day 1 **DRIVING** Sleeping somewhere between San Diego and Yellowstone	**Day 2** **ARRIVE** Yellowstone	**Day 3** **VISITING YELLOWSTONE**	**Day 4** **DRIVING** Arriving in Denver
Day 5 **VISITING DENVER**	**Day 6** **DRIVING** Sleeping somewhere between Denver and Austin	**Day 7** **ARRIVE** Arriving in Austin	**Day 8** **VISITING AUSTIN**
Day 9 **DRIVING** Sleeping somewhere between Austin and Branson, MO	**Day 10** **ARRIVE** Arriving in Branson	**Day 11** **VISITING BRANSON**	**Day 12** **DRIVING** Sleeping somewhere between Branson and Outer Banks
Day 13 **DRIVING** Sleeping somewhere between Branson and Outer Banks	**Day 14** **ARRIVE** Arriving in Outer Banks	**Day 15** **VISITING OUTER BANKS**	**Day 16** **DRIVING** Sleeping somewhere between Outer Banks and North Carolina
Day 17 **ARRIVE** Arriving in New York City	**Day 18** **VISITING NYC**	**Day 19** **DRIVING** Sleeping somewhere between New York City and Neddick, Maine	**Day 20** **VISITING MAINE**

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