Math Moves Me By: Traveling

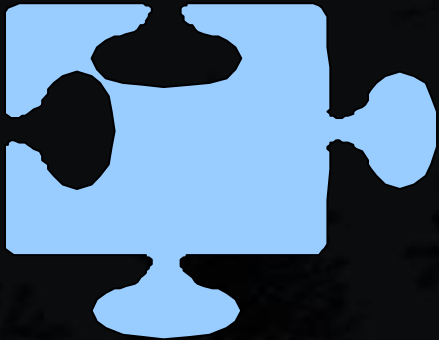## Carlyn Byrd
Period 6
Mr. White's Class

Florida to Albania

- In the recent year of 2011(6th grade), I traveled across the Atlantic Ocean to Albania. I was a student with the Florida Virtual School, an online School that kept me on pace with my grade level.

- As we flew from Tampa to Tirana(the capital city) I started wondering how many Miles per Hour we were flying....

- There were four different flights we had to take to get to our destination. I wondered which one went the fastest!!

Math for Traveling

It's helpful to know a lot about math when you travel a long distance. One formula that helped me know how fast I had traveled was:

- D=RT , but the puzzle isn't finished yet......

Distance travelled = Rate X Time

or

Time = $\dfrac{Distance\ travelled}{Rate}$

or

Rate = $\dfrac{Distance\ travelled}{Time}$

Rate=Distance/Time

- This Formula is about how much time the Plane takes to get to its destination and the distance of one place to another.

- The Distance from Clearwater, Florida to Tirana, Albania is 5553.5 miles.

- Time= Depends on if you stop along the way-- I did!

- My first flight was from Tampa to Newark:

998 miles and it lasted 2 hours and 16 minutes.

R=D/T CONT.

- To find my plane's rate of speed, I calculated the distance traveled (998 miles) and divided by the amount of time in the air (2 hours and 16 minutes) to get my answer:

998 / 2.25 (I rounded 16 minutes to a quarter of an hour)

= 443.56

This flight went 443.55 miles per hour!

Rate of Speed of Flights

I used the same formula again for the next flight!

- Me at the Airport

Newark to Zurich

- Distance: 3,926 miles
- Time: 8 hours 15 minutes

3,926 (miles) / 8.25 (time) = 475.87 miles per hour

Zurich to Vienna

- Distance: 375 miles
- Time: 44 minutes.

I rounded the flight time to make it a little easier!

375 (miles) / .75 (time) = 500 miles per hour

HOLY COW, THAT IS FAST!!!!

Vienna to Tirana
How long did it take?

- This time I used a similar formula to figure out my travel time...My flight distance was 496 miles and I know that the flight traveled at a rate of 496 miles per hour, so I divided my distance by the rate:

496 (miles) / 496 (mph) = 1 hour of flight time to my home-away-from-home!

Average Rate of Speed

I wondered what the average rate of speed was for each of my flights. I totaled the distances for each of the flights:

5,795 miles

and divided by the total amount of time for the flights:

12.25

5,795 miles / 12.25 = 473.06 miles per hour

Other Ways I Used Math In Albania

Converting:

Kilos to Pounds

1kilo = 2.20462262 pounds

Euros to Lek or Lek to Euros

100/1.00lek = 0.72 euro 0.72 euro=100/1.0

Lek to a Dollar or a Dollar to Lek

100 Leke = 1 Dollar

This helps me know how much money

I need to spend and how much something

weighs!

Converting!
All Aboard!

Action In My Passion:Traveling

- This is how math puts the Action in my Passion: Traveling! Traveling to Albania made me learn about converting and using the formula D=RT. This project was fun and made me think about the math involved.