



## Tracking Sea Turtles

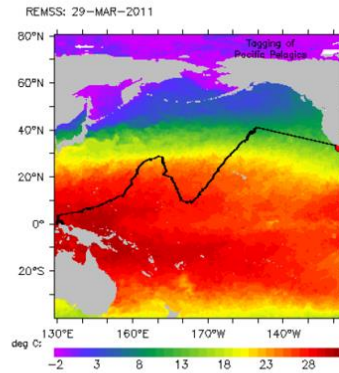
Question 1 - In what part of the world did it begin its trip?

Question 2 - Where did the turtle end up?

Question 3 - How many total kilometers did the turtle travel?

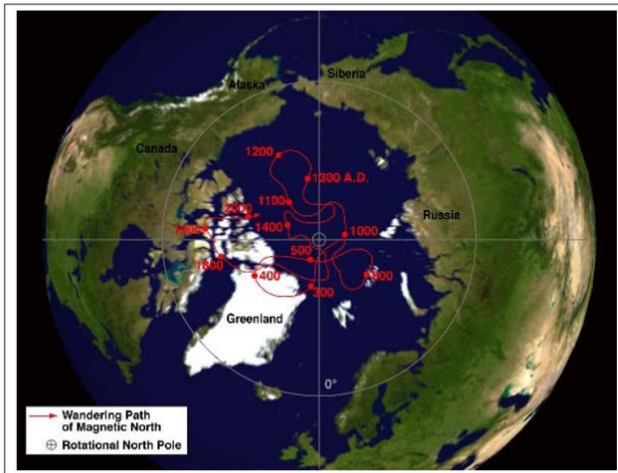
	Day Number	Latitude	Longitude	Distance (km)
1	0	+5° North	130° East	0
2	249	+10° North	155° East	2813
3	488	+30° North	170° East	2707
4	705	+10° North	180° East	2446
5	1099	+40° North	150° West	4453
6	1347	+32° North	120° West	2831

The data is for a Leatherback Sea Turtle  
Tag Number 2607020  
between July 22, 2007 to March 30, 2011



The actual data is shown in the image left, which superimposes the track onto a satellite map of the ocean temperature in degrees Celsius (see color bar).

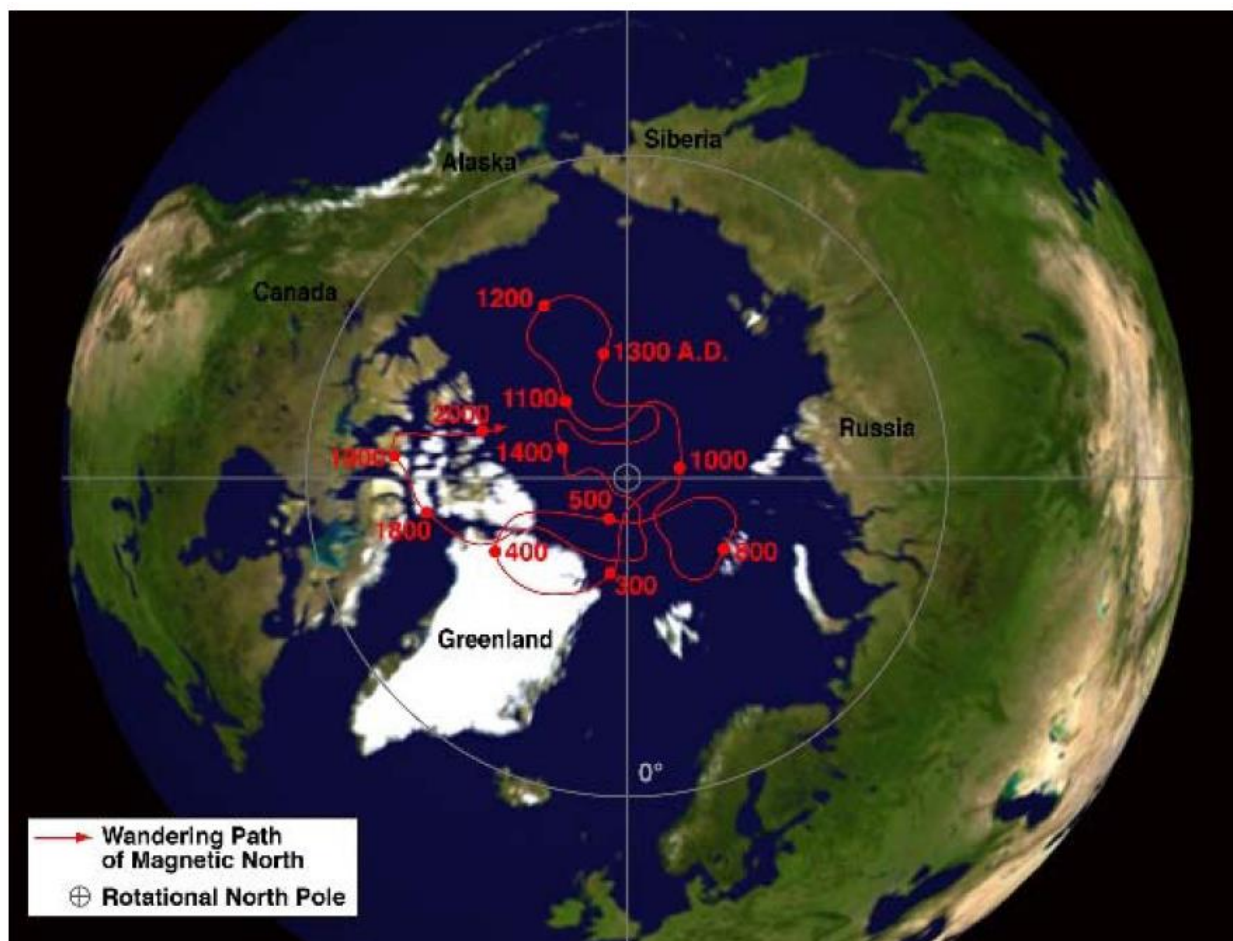
## The Earth's Magnetic North Pole



**Question 1:** What is the total distance that the North Magnetic Pole wandered from 300 AD to 2000 AD?

**Question 2:** What is the shortest distance that the pole wandered in a 100-year period? Longest distance?

**Question 3:** What is the average speed of the wander from 300 AD to 2000 AD?



## Decimals Week #1

### ANSWER KEY

#### Tracking Sea Turtles

1. New Guinea
2. California
3. 15,250 km

BONUS: Average speed per day: 0.76 mph, 6,658 miles per year

#### The Earth's Magnetic North Pole

1. 18,240 km
2. 507 km, 2,470 km
3. 11 km per year