

Math and Climate Worksheet

Name)ate
1.	Sea ice is frozen ocean water, which freezes at a temperature of about $^{-}$ 1. temperature in Fahrenheit? (Use the formula: C * 9 / 5 + 32 = F).	8° Celsius. What is this
2.	Oil and gas are produced out of reservoirs that lay 10,000 to 15,000 feet of What is this range in kilometers?	eep below the surface.
3.	The annual mean thickness of the ice cover declined from a peak of 3.71 of 2.46 m in 2000. What is the percent decrease in the annual mean thickness of the ice cover declined from a peak of 3.71 of 2.46 m in 2000.	
4.	Due to global warming, over a 20-year period, many birds have extended their ranges by an average of about 12 miles. Assuming global warming crate, by how many miles will they have extended their range in another 10	continues at the same
5.	Carbon dioxide (CO ₂) concentrations in the atmosphere increased from apper million (ppm) in pre-industrial times to 382 ppm in 2006. What is the production dioxide?	
6.	A Boeing 737 with 75% occupancy gets about 80 miles per gallon for each 125 passengers on board, then how many times more fuel-efficient is the 25 miles per gallon?	
7.	The water level in the Lake Pontchartrain is usually 3 feet. A storm surge causes water to surge by 5 3/4 feet. What is the percent increase of the v	
8.	Replacing one regular light bulb with a compact fluorescent bulb will save dioxide per year. If you replace 25 regular light bulbs, then how many pour you save per year?	
9.	Deforestation is the logging or burning of trees in forested areas. Each ye hectares of the world's forests are lost due to deforestation. How many he years?	
10.	Glacier National Park had 150 glaciers more than a century ago. Today th percent decrease in glaciers?	ere are 35. What is the