

Along this great-circle route, headings change even though the aircraft is actually heading in a straight line. It would head approximately 063 from New York, approximately 070 over Nova Scotia, approximately 080 over Newfoundland, approximately 085 over Ireland, and arrive in London heading approximately 105.

Other commonly flown great-circle routes are from North America to Asia. Generally speaking, a great-circle route from New York to Tokyo would head northwest from New York, over western Canada, Alaska, eastern Russia and into Japan from the northeast. Flying due west from New York would get us to Japan eventually, but it would take us much longer to get there.

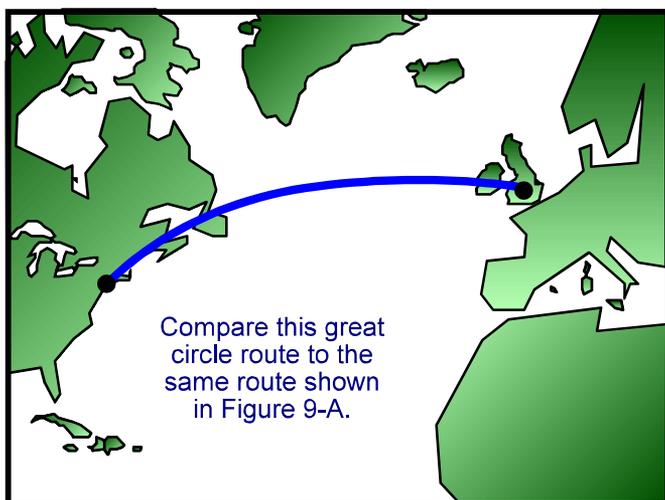


Figure 9-B: Great Circle Route on a Chart

By following these great-circle routes from continent to continent, you will see that your heading will change continually as you fly the route. When you begin your flight from New York to London, for example, you will head northeast. As you pass over the north Atlantic Ocean, you will be