Spy Hunter vs. 007

Understanding Location

**Directions:** Using an atlas or world map, follow the story and figure out the different locations using latitude and longitude coordinates.

1. You are a member of an international spy ring, which has decided that you are a secret agent who knows too much. The word is out that you must meet with a serious “accident.” You begin to be suspicious when: (a) Your helicopter pilot suddenly yells at you to bail out over 20 degrees south latitude and 70 degrees east longitude. Where are you? (b) A passing vehicle picks you up and takes you to 40 degrees north latitude and 160 degrees east longitude. The crew hands you a huge rock and screams “JUMP!” What kind of vehicle picked you up and where did it take you? You are still wondering why they gave you a rock!
2. When you finally, against all odds, make it to a place just north of 30 degrees latitude and just east of 98 degrees west longitude, you are exhausted and need rest. Where are you now? How could you have picked such a ridiculous place to stop? As a highly paid secret agent, you should have known about the nest of spies headquartered just north of the river.
3. You still have not wised up and foolishly contact a fellow secret agent. She tells you that you can get plenty of rest if you go to 23 ½ degrees north latitude and 15 degrees east longitude. She even gives you plenty or warm clothes to make you more comfortable while you are there. When you arrive at 23 ½ degrees north latitude and 15 degrees east longitude you put on your fur-lined boots and parka and are suffering greatly by the time you realize your mistake. Where are you? What are you suffering from?
4. By now you are aware that something strange is going on. You decide to invite your fellow spies to join you at degrees (north/south) latitude and degrees (east/west) longitude. To ensure secrecy and effectiveness, you must plan the location and the fate of your colleagues, who have tried so hard to do you in very carefully. Your location of successfully disposes of your enemy spies and you decide to reward yourself with a trip to an area located between 15 degrees north latitude and 30 degrees north latitude, and between 150 degrees west longitude and 170 degrees west longitude. Where are you going to vacation?
5. Now you must create your own latitude and longitude story using at least five locations. Write a spy story, a love story, or whatever you like. Be creative!

1. a.

 b. /

 2. /

 3. /

 4. (N/S) (E/W)

(Answer to Your Location)

 5. Please complete your story on a separate sheet of paper and attach it to this worksheet. Be sure that two of your locations are exact/absolute locations and two are relative locations. The 5th location can be either. Include an answer key for your story’s locations.

Longitude and Latitude Practice

**Name: Period:**

|  |  |
| --- | --- |
| 1. What continent is at latitude 20°E, longitude 20°N?
 |  |
| 1. What ocean is found at latitude 180°W, longitude 20°N?
 |  |
| 1. What island region is found at latitude 20°S, longitude 160°W?
 |  |
| 1. What continent is found in Oceania?
 |  |
| 1. Name an island found in Oceania.
 |  |
| 1. Name a sea found in Oceania.
 |  |
| 1. What Caribbean Island is found at latitude 80°W, longitude 20°N?
 |  |
| 1. List 3 African nations found along the equator.
 |  |
| 1. What African nation is found at latitude 30°E, longitude 30°S?
 |  |
| 1. In South America, what is the latitude range of the Amazon River?
 |  |
| 1. What is the longitude of the Falkland Islands off South America?
 |  |
| 1. What Asian country is found at latitude 45°E, longitude 50°N?
 |  |
| 1. List 3 countries that border the answer to question 12.
 |  |
| 1. What is the latitude and longitude for Hong Kong, China?
 |  |
| 1. What is the latitude and longitude of the South Pole?
 |  |
| 1. What Antarctic sea is found at latitude 70°S, longitude 90°W?
 |  |
| 1. List 3 European countries found along the 40°N line of latitude.
 |  |
| 1. What latitude range does Russia span?
 |  |
| 1. What North American mountain range is found at latitude 50°N and longitude 115°W?
 |  |
| 1. What is the longitude range of the United States?
 |  |
| **Bonus:** What is the approximate latitude of the Tropic of Capricorn?  |  |