Vector Voyage Solution Worksheet 3

Vector Voyage Instructions

Part 1: Your ship can sail 10 squares/month. Sailing directly West from the Start position (Spain), draw one vector for each month of travel. In what country will you make landfall? **USA (NY)**. How many months will it take to reach land (how many 10 square vectors is it)? **3.5**

Part 2: Unfortunately, the wind does not always blow the way you want! Each month, you must add a wind correction vector to find your position:

- Month 1: 2 squares south
- Month 2: 4 diagonal squares southeast
- Month 3: 2 squares west
- Month 4: No wind

Where will you make landfall now? **USA (FL)**. How many months to reach land (how many 10 square vectors is it)? **4**

Part 3: Ocean currents affect boats too! Each month, you must also add a current correction vector to find your actual final position:

- Month 1: 2 squares south
- Month 2: 4 squares west
- Month 3: 3 diagonal squares southwest

Where is your actual landfall? **Cuba**. How many months to actually reach land (how many 10 square vectors is it)? **3**

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