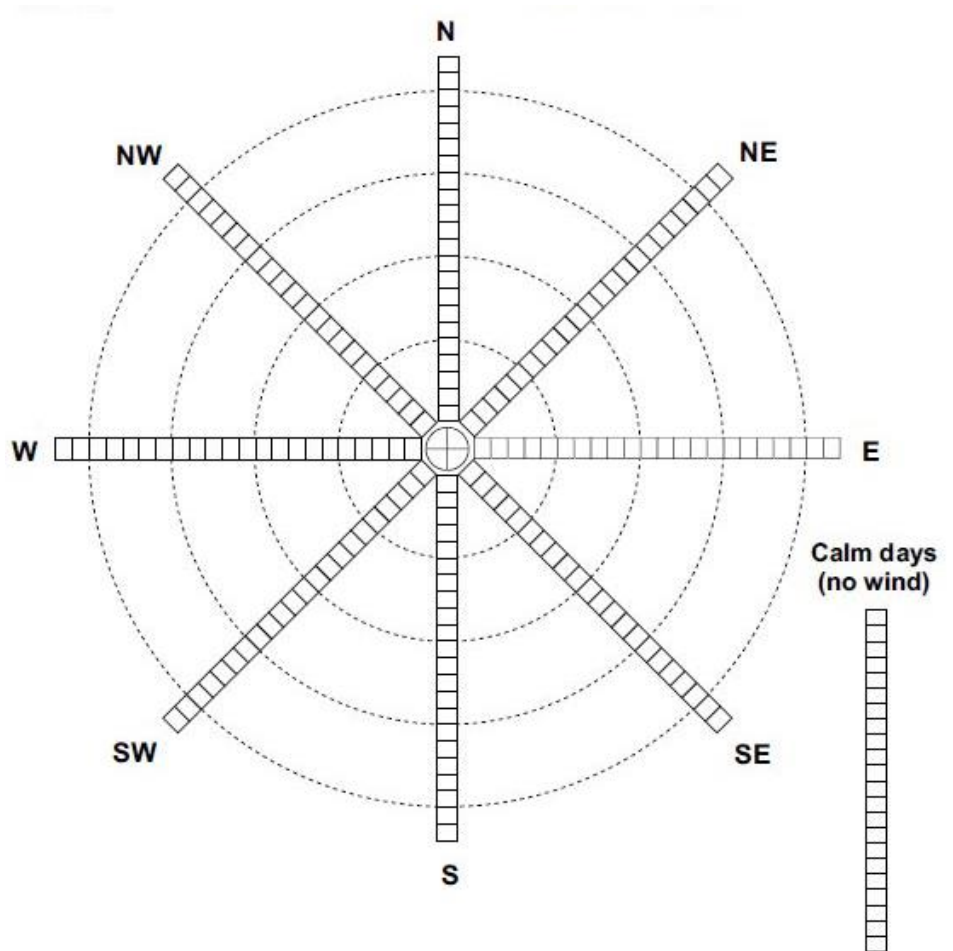


NAME: _____

- 1. Reading Material:** on the school website, on our class homework page, find and study “Wind Rose”.
- 2. You are designing an airport layout.** You have the following data regarding the winds in the area (wind *frequency* was measured, that is *how often a wind from a certain direction was observed*; no data for wind speed is available):

N	17 %
NE	11 %
E	6 %
SE	3 %
S	10 %
SW	7 %
W	15 %
NW	22 %
Calm	9 %
Total	100 %



QUESTIONS:

- Create the WIND ROSE** by filling in the template above (make one box equal to 1%, zero is at the center; extend outwards if needed; since you have no data on the wind speed, use single color when filling in the boxes)
- Which direction** would you choose for the primary runway?