**Data Practice Worksheet for Hurricane Alert!—Teacher page**

**Team \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Storm # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hurricane \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Advis.** | **Time** | **Lat. Degrees**  **North** | **Long.**  **Degrees**  **West** | **Air**  **Press.**  **(mb)** | **Wind**  **Speed knots/**  **mph** | **Cat.** | **Direction**  **Speed** | **Breakpoint**  **Cities** | **Distance to Cities**  **(miles)** | **ETA**  **to**  **Breakpoint cities** | **Rec.**  **Watch/**  **Warning** |
| 1 | 0300 |  |  |  | 60/  *69* |  | 179 miles  *÷6=*  *29.8mph* | San Juan | 324 | 324*÷29.8=*  *11 hrs.* |  |
| Port-au-Prince | 526 | 526*÷29.8=*  *18 hrs* |  |
| Kingston | 578 | 578*÷29.8=*  *19 hrs* |  |
| 2 | 0900 |  |  |  | 87/  *100* |  | 145 miles  *÷6=*  *24.2mph* | Miami | 356 | 356*÷24.2=*  *15 hrs* |  |
| Key West | 365 | 365*÷24.2=*  *15 hrs* |  |
| Havana | 398 | 398*÷24.2=*  *18 hrs* |  |
| 3 | 1500 |  |  |  | 143/  *164* |  | 168 miles  *÷6=*  *28mph* | New Orleans | 434 | 434*÷28=*  *15.5 hrs* |  |
| Corpus Cristi | 602 | 602*÷28=*  *21.5* |  |
| Brownsville | 598 | 598*÷28=*  *21 hrs* |  |
| 4 | 2100 |  |  |  | 131/  *151* |  | 79 miles  *÷6=*  *13.2mph* | Mobile | 410 | 410*÷13.2=*  *31 hrs* |  |
| Baton Rouge | 343 | 343*÷13.2=*  *26 hrs* |  |
| Galveston | 414 | 414*÷13.2=*  *31 hrs* |  |

**Note:** Although it is not math practice, you may want the students to practice categorizing the storm’s wind speeds on the Saffir-Simpson Hurricane Wind Speed scale. Answers are included here for your convenience.