**WHO HAS THE HOTTEST HANDS? Date:**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Partner 1 name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Partner 2 name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A/ What to do: In partners, record the ambient air (the current air temperature) to start this experiment.

Ambient Air = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C

B/ Now take turns holding the thermometer in either your right or your left hand for 30 seconds. Record each temperature below:

Your temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C

Partner 1 temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C

Partner 2 temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_C

Now at the board, record all of your recorded temperatures, then fill in the following table:

|  |  |  |
| --- | --- | --- |
| Name | Temperature in hand ( C ) | Notes |
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**Calculations:**

Add up all of the boys’ temperatures below, then find their average temperature:

Add up al of the girls’ temperatures below, then find their average temperature:

**Questions:**

1. Who has the hottest hands?
2. Who has the coldest hands?
3. What is the average temperature for the boys in the class?
4. What is the average temperature for the girls in the class?
5. Do boys or girls in the class have the hottest hands? Why do you think so?

**Graph: Now draw a graph for your results. Please include the following:**

* x – axis = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* y- axis = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Title
* Label both your x and y axes
* Also place on your graph both the girls’ average temperature and the boys’ average temperature for the class
* Make sure your graph is big enough to fit on a whole page!