Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Staircases**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image showing 6 different sets of stairs with different sized steps.** | 1. Without measuring the staircases, put them in order of "steepness," starting with the shape with the least “steepness.”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

 |

1. Explain how you came up with your ranking of “steepness” in #1. Because you were asked NOT to measure, what “tools” or strategies did you use to make your decision?
2. Now discuss your ranking in #1 with another classmate. Are you going to change your ranking? If so, please indicate your new ranking.
* No, I’m sticking with my original ranking.
* I’m changing my ranking to this…

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

1. Now discuss your ranking in #3 with a different classmate. Are you going to change your ranking? If so, please indicate your new ranking.
* No, I’m sticking with my original ranking.
* I’m changing my ranking to this…

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

1. You may now measure the staircases with whatever tool(s) you need. Use the space below to keep track of your measurements, calculations, and notes.

|  |  |
| --- | --- |
| Image showing 6 different sets of stairs with different sized steps. | Image showing 6 different sets of stairs with different sized steps. |
| Image showing 6 different sets of stairs with different sized steps. | Image showing 6 different sets of stairs with different sized steps. |
| Image showing 6 different sets of stairs with different sized steps. | Image showing 6 different sets of stairs with different sized steps. |