Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table# \_\_\_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

**10.4C “Which Lock is Better?”\_Classwork**

|  |
| --- |
| Question:You are buying a combination lock. You have three choices:1. **Lock** **1** has 3 wheels. Each wheel is numbered from 0 to 9.
2. **Lock 2** has numbered from 0 to 39. Each combination uses 3 numbers.
3. **Lock 3** has 4 wheels. Wheel 1: 0 to 9, Wheel 2: A to J, Wheel 3: K to T, and Wheel 4: 0 to 9

  Lock 1 Lock 2 Lock 3  |
| **CLAIM** (Which lock would you get?) |
| **EVIDENCE** (What work did you do to solve this problem?)

|  |  |  |
| --- | --- | --- |
| **Lock 1** | **Lock 2** | **Lock 3** |
|  |  |  |

 |
| **REASONING** (Summarize in two to three sentences how you know you are correct.) |

