**Engineer a Coin Sorter Design!**

**[ Complete this side of the page before you gather materials. ]**

1. **Plan: What measurements do you need? Why? Take those measurements.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Coin** | **Measurement 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Measurement 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Measurement 3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **penny** |  |  |  |
| **nickel** |  |  |  |
| **dime** |  |  |  |
| **quarter** |  |  |  |

1. **Plan: Draw at least two designs below. Label your drawings with the materials you need.**

**[ Complete this side of the page after you build your coin sorter. ]**

1. **Describe how your final design is different than your plan.**
2. **How would you *improve* your design if you had more materials and time?**
3. **What is the process that engineers use to develop or improve technologies, objects and systems? What are the five steps in this process?**