**MINI LESSON #3– Surface Area and Volume of Cubes, Rectangular Prisms (3Dimensional Unit – Math 7)**

1. **Cut out Figure 1 . Fold Figure 1 to make a rectangular Prism (Leave the top open)**

**DISCOVERY**

1. **Use your model to find out how many squares cover the rectangular prism. Write your answer on the mini lesson.**
2. **Use your model and the rainbow cubes to fill the prism and find out how many cubes it takes to fill the rectangular prism. Write your answer on the mini lesson.**
3. **Now repeat Steps 1-4 with Figure 2**
4. **For Figure 3 you will need to start formulating other methods to find the number of squares that cover and cubes that fill.**

**Number of Squares**

**Number of Cubes**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Figure 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | **Figure 1** |  |  |  |  |  |  |  |
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|  |  |  | **Figure 2** |  |  |  |  |  |  |  | **Number of Squares**  **Number of Cubes**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | **Figure 2** |  |  |  |  |  |  |
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|  | **Figure 3** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Number of Squares**  **Number of Cubes**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | **Figure 3** |  |  |  |  |  |  |  |  |
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**MINI LESSON #3– Surface Area and Volume of Cubes, Rectangular Prisms (3Dimensional Unit – Math 7)**

* **How to find SURFACE AREA:**
* **How to find VOLUME:**

**MINI LESSON #3– Surface Area and Volume of Cubes, Rectangular Prisms (3Dimensional Unit – Math 7)**

* **How to find SURFACE AREA:**
* **How to find VOLUME:**

|  |  |
| --- | --- |
| **Surface Area** | **Volume** |
| **Surface Area** | **Volume** |
| **Surface Area** | **Volume** |

|  |  |
| --- | --- |
| **SURFACE AREA** | **VOLUME** |
| **SURFACE AREA** | **VOLUME** |
| **SURFACE AREA** | **VOLUME** |

**4 cm**

**2 cm**

**1 cm**

**9 cm**

**3 cm**

**2 cm**