m&m language worksheet Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Below are shown a variety of arrangements of m&ms within plastic cups (hollow circles). The rules for the language for expressing how these m&ms are arranged are listed below:

1. the m&ms are named by their color (example 1)
2. the number that is used as a coefficient in front of the m&m color designates the number of different cups present. This is equivalent to addition (example 2)
3. a number that is used as a subscript after the name of the m&m denotes how many of that color exist in a given cup (example 3)

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |
| 4 | 5 | 6 |

1. Verify that examples 4-6 follow the language rules listed above. What do the parentheses in example 6 seem to indicate?
2. Construct the following m&m arrangement expressed by the m&m language: silver(blue-red3)2