**4.2** **The Hidden Base**

Match the answer with the corresponding base by finding the power the base is raised to.

|  |  |  |  |
| --- | --- | --- | --- |
| **Base 2 (or** $2^{x}$**)** | **Base 3 (or** $3^{x}$**)** | **Base 4 (or** $4^{x}$**)** | **Base 5 (or** $5^{x}$**)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

More Practice

|  |  |  |  |
| --- | --- | --- | --- |
| **4 = \_\_\_\_\_\_** | **64 = \_\_\_\_\_\_** | **9 = \_\_\_\_\_\_** | **125 = 53** |
| **2 = \_\_\_\_\_\_** | **27 = \_\_\_\_\_\_** | **8 = \_\_\_\_\_\_** | **25 = \_\_\_\_\_\_** |
| **81 = \_\_\_\_\_\_** | **625 = \_\_\_\_\_\_** | **7776 = \_\_\_\_\_\_** | **16 = \_\_\_\_\_\_** |

Ex. 1 Ex. 2

 $6^{\frac{x+1}{2}}=1296$ $5^{-2(x-2)}=25$