Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CCM8

Cubing a Number

43 is read as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Base: \_\_\_\_\_\_

Exponent: \_\_\_\_\_\_

Power: \_\_\_\_\_\_\_

|  |  |
| --- | --- |
| VIC #1 |  |

Strategies:

Modeling: Draw a cube.

3 x 3 x 3

5 x 5 x 5

Make a list:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 23 | 33 | 43 | 53 | 63 | 73 | 83 | 93 | 103 | 113 |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 123 | 133 | 143 | 153 |  | 203 | 1003 |
|  |  |  |  |  |  |  |

What about negative numbers?

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (-1)3 | (-2)3 | (-3)3 | (-4)3 | (-5)3 | (-6)3 | (-7)3 | (-8)3 | (-9)3 | (-10)3 | (-11)3 |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| (-12)3 | (-13)3 | (-14)3 | (-15)3 |  | (-20)3 | (-100)3 |
|  |  |  |  |  |  |  |

Would these answers apply to the modeling example?