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

Squaring a Number

32 is read as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

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

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

Strategies:

Modeling: Draw a square.

5 x 5

8 x 8

Make a list:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 22 | 32 | 42 | 52 | 62 | 72 | 82 | 92 | 102 | 112 |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 122 | 132 | 142 | 152 |  | 202 | 1002 |
|  |  |  |  |  |  |  |

What about negative numbers?

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| (-12)2 | (-13)2 | (-14)2 | (-15)2 |  | (-20)2 | (-100)2 |
|  |  |  |  |  |  |  |

Would these answers apply to the modeling example?

Additional Notes: