(2) Match the representations to the labels.

(3) Here is a $2 \times 2 \times 2$ cube made of 8 small cubes.

How many small cubes do you need to build a $3 \times 3 \times 3$ cube?

(4) Complete the table.

| $2^{2}$ | $2 \times 2$ | 4 |
| :---: | :---: | :---: |
| $2^{3}$ | $2 \times 2 \times 2$ |  |
| $3^{2}$ |  |  |
| $3^{3}$ | $5 \times 5 \times 5$ | 25 |
| $\square 2^{2}$ |  |  |

5
Write < , > or = to complete the statements.


6
Draw 3 straight lines to split this grid into 3 squares and 1 rectangle.

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

7
Find four square numbers between 100 and 200

8 Dexter works out 20 squared
Annie works out 20 cubed.
Find the difference between Dexter's and Annie's numbers.
$\square$

9 a)


What numbers could Mo be thinking of?
$\qquad$
b)


What numbers could Alex be thinking of?


