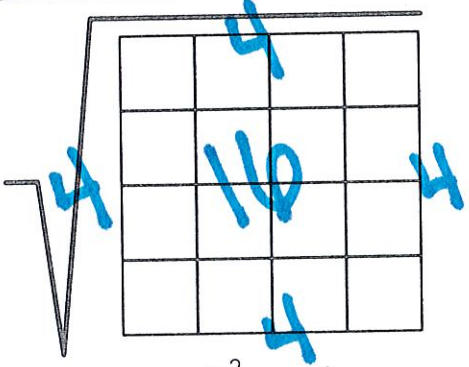
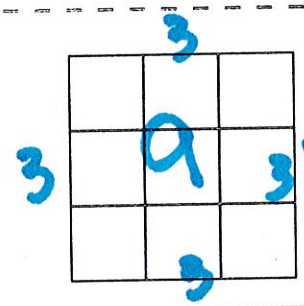


$4^2 = 16$

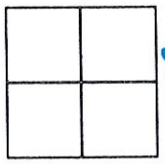
$\sqrt{16} = 4$

A perfect square is any number that shows the area of a square.

The square root is the side length.

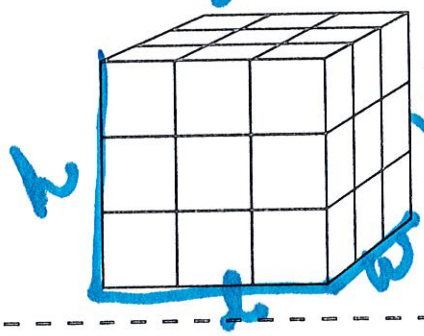


$\sqrt{9}=3$



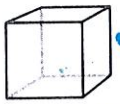
$\sqrt{4}=2$

$\sqrt{1}=1$



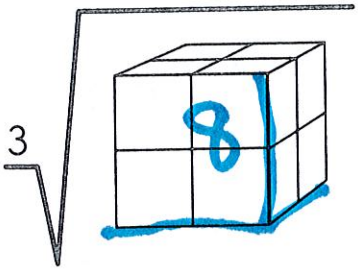
$\sqrt[3]{27}=3$

$3\cdot3\cdot3$



$\sqrt[3]{1}=1$

$1\cdot1\cdot1$



$2^3 = 8$

$\sqrt[3]{8} = 2$

A perfect cube is any number that shows the volume of a cube.

The cube root is the side length.

$2\cdot2\cdot2$ ← volume

$\sqrt[3]{27} = 3$ ← side length (l, w, h)

$3\cdot3\cdot3$ ← volume