3.2 Perfect Squares, Perfect Cubes and Their Roots

*If a number can be represented as the ____ of a square whereby the sides of the square are whole numbers, we call the number a ____

Ex.

*100 is a perfect square but 100 =

Note: all ____ of a perfect square have ____

Ex. 324 = *

*If a number can be represented as the ____ of a cube whereby the sides of the cube are whole numbers, we call the number a ____

ex. consider 125 =

Note: all ____ of a perfect cube have powers that are multiples of ☐

ex.

ex. Make up a number that is a perfect square AND a perfect cube at the same time

Homefun: Pg. 146 #(4-18)ace