

2.7

$$\sqrt{\quad}$$

a

radical

radicand

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

$$\sqrt{64}$$

$$\sqrt{64} = \pm 8$$

$$-\sqrt{16} = -4$$

$$\pm\sqrt{81} = \pm 9 \quad \sqrt{36} = 6$$

Approximate

$$\sqrt{32}$$

$$\sqrt{25}$$

5

$$\sqrt{36}$$

6

$$\sqrt{464}$$

$$\sqrt{400}$$

20

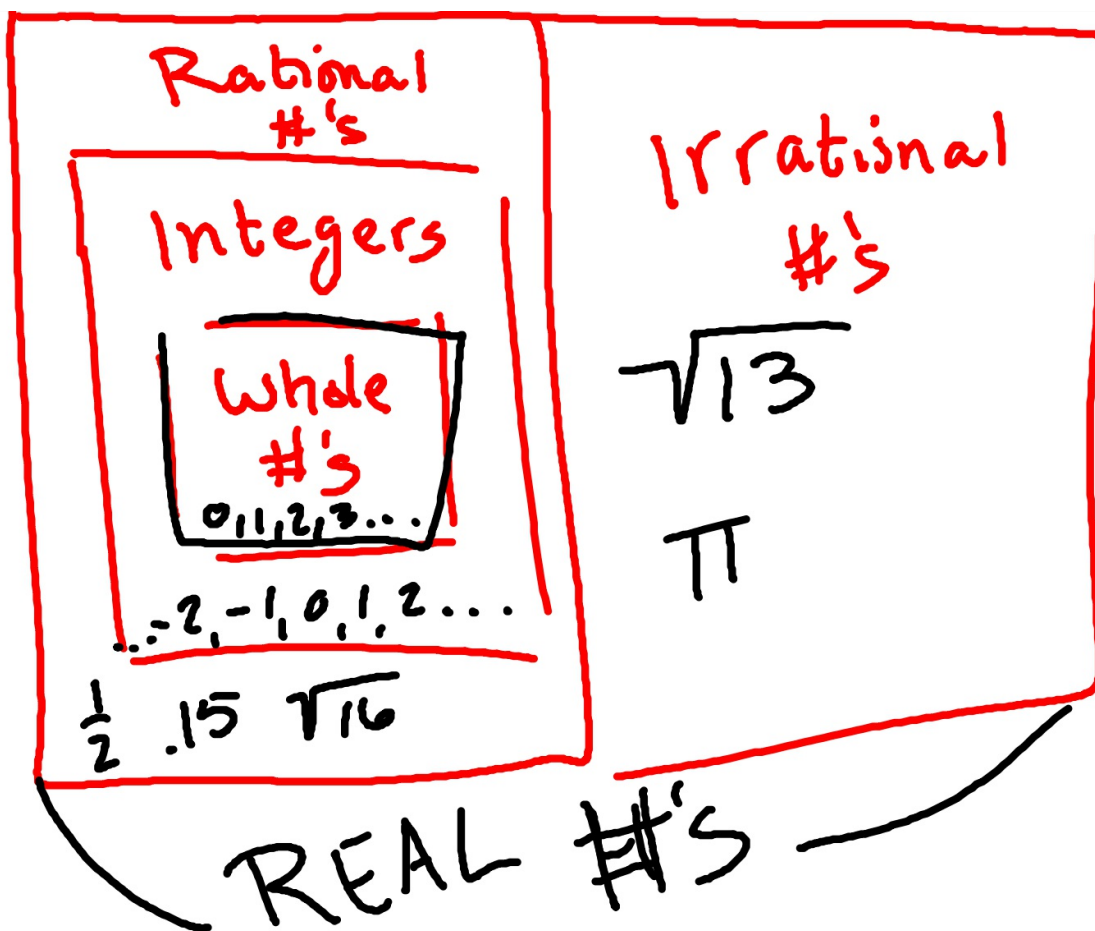
$$\begin{array}{r} 21 \\ 21 \\ \hline 420 \\ 441 \end{array}$$

$$\begin{array}{r} 22 \\ \times 22 \\ \hline 44 \\ 440 \\ \hline 484 \end{array}$$

$\sqrt{5} \rightarrow$  irrational #

$\frac{1}{3} \rightarrow .\bar{3}$

.5



	Whole	Integer	Rational	Irrational
$\sqrt{24}$	no	no	no	yes
$\sqrt{100}$ 10	yes	yes	yes	no
$-\sqrt{9}$ -3	no	yes	yes	no

$\bar{3} = \frac{1}{3}$

2.7

# 3 - 29 odd

34 - 40 even

47 - 49

56 - 62 even

Quiz 2.6 - 2.7