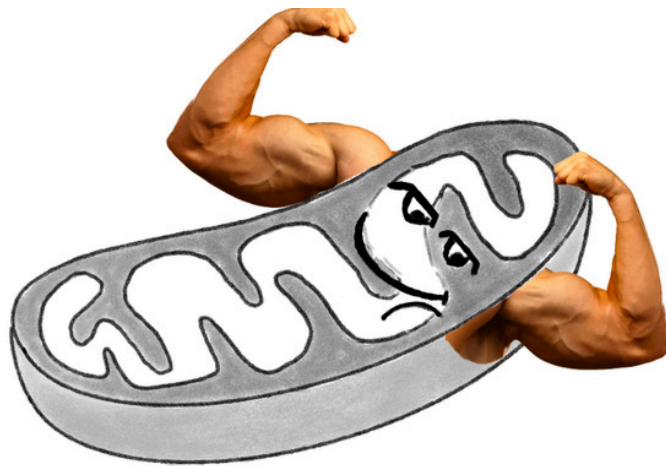


MATH BASICS

RATIONAL VS. IRRATIONAL NUMBERS

REVIEW



KEY TERMS

Whole numbers: counting numbers including 0

→ 0, 1, 2, 3

Integers: positive & negative whole numbers

→ -2, -1, 0, 1

Real numbers: all rational & irrational numbers

RATIONAL NUMBERS

→ can be written as a fraction $\frac{a}{b}$ where a & b are integers ($b \neq 0$)

includes: integers, fractions, terminating decimals, & repeating decimals

→ eg: -5 , $\frac{3}{4}$, 0.5 , $0.333\dots$

as $\frac{a}{b}$: $-\frac{5}{1}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{3}$

IRRATIONAL NUMBERS

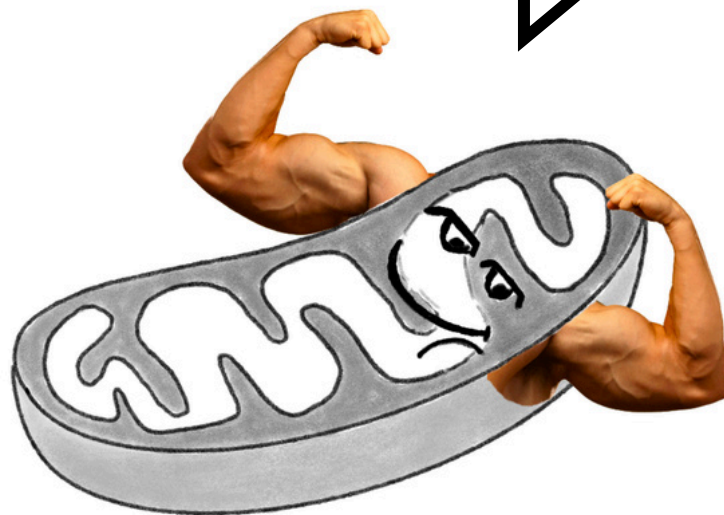
→ cannot be written as a fraction of two integers

includes: non terminating , non repeating decimals

→ eg: $\sqrt{2}$, $\sqrt{11}$, π (3.14159...)

none can be written as a fraction of two integers

**follow for
more!**



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