

Rational Numbers VS Irrational Numbers

Rational Numbers: Repeating or terminating decimals

Example of repeating decimals

$$0.33333 = 0.\overline{3}$$

$$0.26767 = 0.2\overline{67}$$

Example of Terminating (ending) Decimals:

$$0.5$$

$$0.825$$

Irrational Numbers: DO NOT repeat or end

$$\text{PI} = \Pi = \frac{22}{7} \approx 3.14$$

3.1415926535897932384626433832795028841971693993751058209749445923078164062862
08998628034825342117067982148086513282306647093844609550582231725359408128481
11745028410270193852110555964462294895493038196442881097566593344612847564823
37867831652712019091456485669234603486104543266482133936072602491412737245870
06606315588174881520920962829254091715364367892590360011330530548820466521384
14695194151160943305727036575959195309218611738193261179310511854807446237996
27495673518857527.....

Or

$$\sqrt{7} \approx 2.6457513$$

($\sqrt{\quad}$ = Radical Sign)