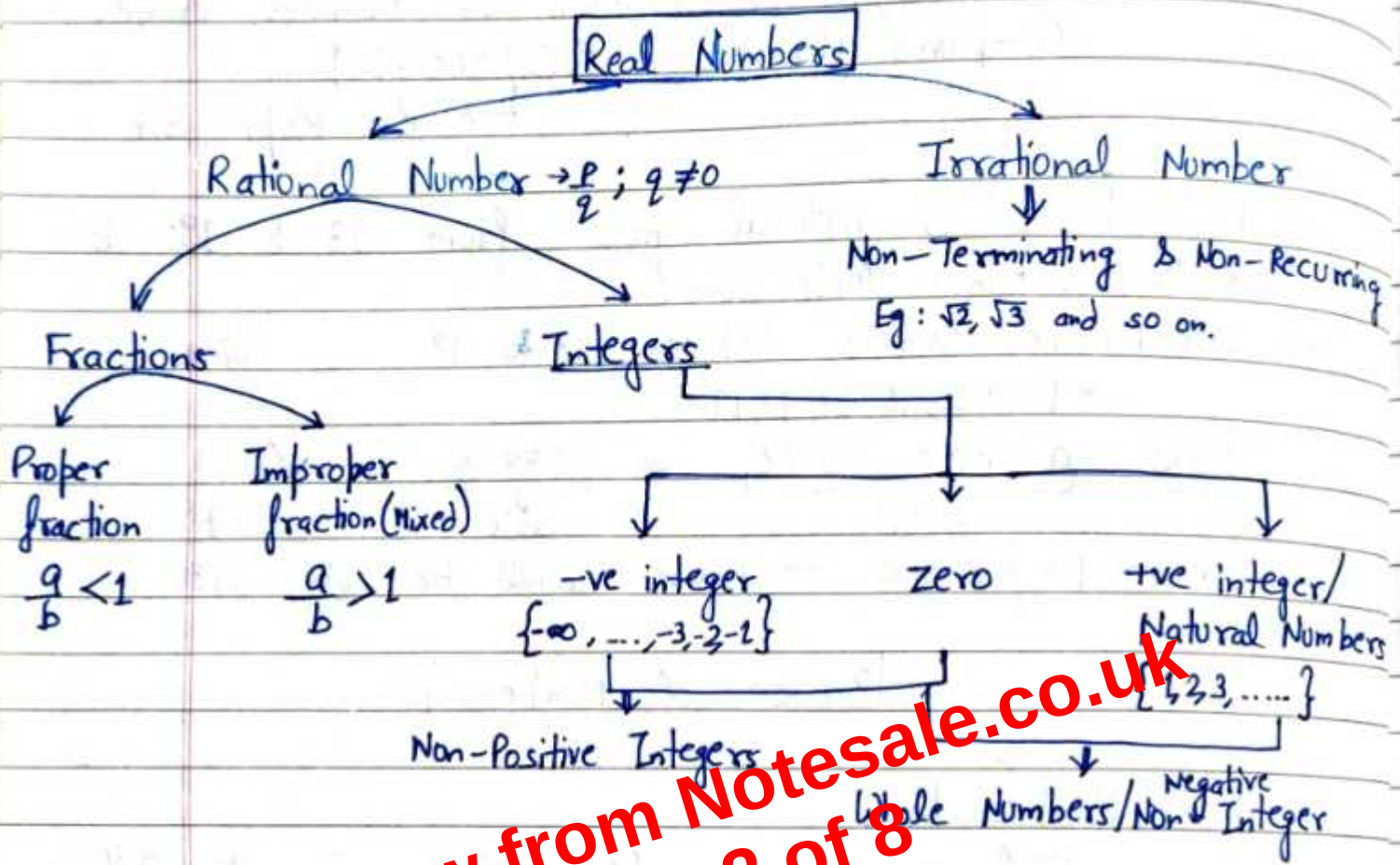


* Classification of Numbers



* Natural Numbers

(1, 2, 3, 4, 5, ...)

Even
 (2, 4, 6, ...)
 $2n$

Odd
 (1, 3, 5, 7, ...)
 $2n \pm 1$

* Natural Numbers

Composite Number
 (More than 2 factors)

1

Prime Numbers
 (exactly 2 factors)
 1 and N

* Decimal Expansion

Rational Number

Terminating

- 0.4
- 0.125
- 1.5

Non Terminating & recurring

- 0.3333... $\rightarrow 0.\overline{3} = \frac{3}{9} = \frac{1}{3}$
- 1.23232323... $\rightarrow 1.\overline{23} = \frac{123}{99}$
- 0.008008008... $\rightarrow 0.\overline{008} = \frac{8}{999}$