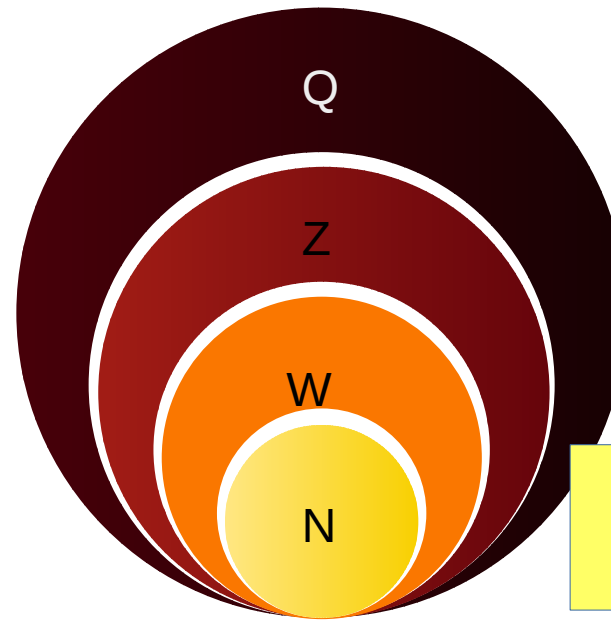


RATIONAL NUMBERS (CONCEPT MAP)



LEGEND:
Q: RATIONAL NOS. ; Z: INTEGERS ; W: WHOLE NOS. ;
N: NATURAL NOS. ; N: NUMERATOR ; D: DENOMINATOR

A NUMBER IN THE FORM p/q WHERE BOTH p & q ARE INTEGERS AND q IS NOT 0

A rational no. is said to be in Standard form if p and q have no common factor except 1 and q is +ve

To reduce to standard form we divide N&D by their HCF and ignore -ve sign

For all operations rules similar to integers will apply and they will be processed like fractions

Rational nos. can be represented on the no. line in a similar fashion like fractions

There can be 2 rational nos. B/w 2 other rational nos. They can be found by Mean Method or changing to equivalent fractions