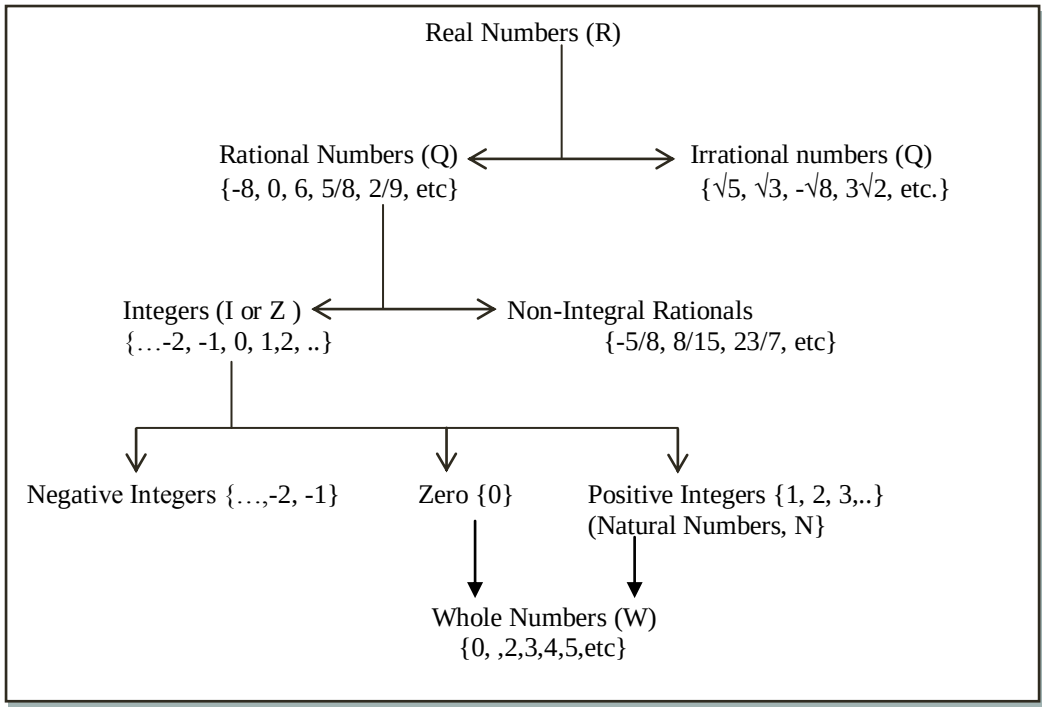The real number system