

= Parity of zero =

Zero is an even number . In other words , its parity ? the quality of an integer being even or odd ? is even . The simplest way to prove that zero is even is to check that it fits the definition of " even " : it is an integer multiple of 2 , specifically  $0 \times 2$  . As a result , zero shares all the properties that characterize even numbers : 0 is divisible by 2 , 0 is neighbored on both sides by odd numbers , 0 is the sum of an integer ( 0 ) with itself , and a set of 0 objects can be split into two equal sets .