

2011 Q21

21. Students guess that Norb's age is 24, 28, 30, 32, 36, 38, 41, 44, 47, and 49. Norb says, "At least half of you guessed too low, two of you are off by one and my age is a prime number." How old is Norb?
- (A) 29 (B) 31 (C) 37 (D) 43 (E) 48

21. **Answer (C):** Because half are too low, Norb is at least 37. Because two are off by one, he must be between 36 and 38 or between 47 and 49. Because 37 is prime and 48 is not, Norb is 37.