



15. What is the smallest prime number that is equal to the sum of two prime numbers and is also equal to the sum of three different prime numbers?

A 7

B 11

C 13

D 17

E 19

1085



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- 15. E** The first eight prime numbers are: 2, 3, 5, 7, 11, 13, 17, 19.
If the sum of two prime numbers is prime, one of them must be 2.
If the sum of three different prime numbers is prime they must all be odd. The answer is therefore 19 as: $2 + 17 = 19$ and $3 + 5 + 11 = 19$.