

AMC 8 Day 3 Prime Numbers and Composite Numbers

1	(1分)"If a whole	number $m{n}$ is not pr	rime, then the whole	e number $n-2$ is n	ot prime." A value of
	$\it n$ which shows this statement to be false is (1987 AMC 8 Problem, Question#20)				
	A. 9	B. 12	C. 13	D. 16	E. 23
2	(1分)The sum of two prime numbers is 81 . What is the product of these two prime numbers?				
	(Adapted from 2014 AMC 8 problem, Question#4)				
	A. 85	B. 91	C. 115	D. 133	E. 158
3	(1分)What is the sum of the distinct prime divisors of 2022 ? (Adaped from 2016 AMC 8				
	Problem, Question#9)				
	A. 341	B. 342	C. 344	D. 345	E. 347
4	(1分)If m is prime and n is composite, which of the following must be composite?				
	A. $m+n$	B. $n+2m$	C. $2(n-m)$	D. $2(n+m)$	E. $m-n$
5	(1分)In how many ways can 10001 be written as the sum of two primes?				
	A. 0	B. 1	C. 2	D. 3	E. 4