

2007 AMC 8 Problems/Problem 3

Problem

What is the sum of the two smallest prime factors of **250**?

- (A) 2 (B) 5 (C) 7 (D) 10 (E) 12

Solution

We prime factor $250 = 2 \cdot 5^3$. The smallest two are 2 and 5. $2 + 5 = \boxed{\text{C}}$

See Also

2007 AMC 8 (Problems • Answer Key • Resources) (http://www.artofproblemsolving.com/Forum/resources.php?c=182&cid=42&year=2007)	
Preceded by Problem 2	Followed by Problem 4
1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 23 • 24 • 25	
All AJHSME/AMC 8 Problems and Solutions	

The problems on this page are copyrighted by the Mathematical Association of America (<http://www.maa.org>)'s

American Mathematics Competitions (<http://amc.maa.org>).



Retrieved from "http://artofproblemsolving.com/wiki/index.php?title=2007_AMC_8_Problems/Problem_3&oldid=80018"