Question ID 3d1070c9

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Algebra	Linear functions	■□□

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The function f is defined by $f(x) = 25x + 30$. What is the value of $f(x)$ when $x = 2$?

A. 50

B. 57

C. 80

D. 110

ID: 3d1070c9 Answer

Correct Answer: C

Rationale

Choice C is correct. It's given that the function f is defined by $fx = 25x + 30$. Substituting 2 for x in this equation yields $f2 = 252 + 30$, which is equivalent to $f2 = 50 + 30$, or $f2 = 80$. Therefore, the value of fx is 80 when $x = 2$.

Choice A is incorrect. This is the value of 252, not $252 + 30$.

Choice B is incorrect. This is the value of $25 + 2 + 30$, not $252 + 30$.

Choice D is incorrect. This is the value of $25 + 302$, not $252 + 30$.

Question Difficulty: Easy