

An ongoing promotion at a department store gives customers 20% off the portion of their bill that is over \$100. Ruby's total bill at the department store after the promotion has been applied is \$250. If  $x$  represents the amount of money Ruby would have spent on the same purchase at the department store without the promotion, which of the following equations best models the situation?

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☐ A  $0.2x + 100 = 250$

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☐ B  $0.8x + 100 = 250$

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☐ C  $100 + 0.2(x - 100) = 250$

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☐ D  $100 + 0.8(x - 100) = 250$

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