**Area Question**

I’m planning on painting a wall in my house and don’t know if I can afford it. Would you please help? My wall has a base of 25ft and a height of 30ft. It has one door that is 3ft by 7ft and two windows that measure 3ft by 4ft. The paint I’m going to use comes in gallons and cover 80 square feet and costs $12.75 a gallon. I have $125 to spend. Can I afford to paint my room? If I can how much change do I have left over? If I can’t, how much more money will I need?

**Show work:**