Correct. Use the rules of exponents to simplify the expression.

$$\left(4c^2\right)^{\frac{1}{2}} = 4^{\frac{1}{2}} \cdot c^{\frac{2}{2}} = (2 \cdot 2)^{\frac{1}{2}} \cdot c^1 = \left(2^2\right)^{\frac{1}{2}} \cdot c = 2^{\frac{2}{2}} \cdot c = 2c$$