Correct. Set up a proportion using corresponding sides: $\dfrac{AB}{DE} = \dfrac{AC}{DF}$. Substitute the given side lengths into the equation, and let *n* stand for *AB*: $\dfrac{n}{6} = \dfrac{12}{8}$

Multiply both sides by 6 to solve: $n = \dfrac{72}{8} = 9$