25 An aircraft has a wing span from one wing tip to the other of 80 m. It flies horizontally at a speed of $150\,m\,s^{-1}$ through a region where the vertical component of the Earth's magnetic field is $1.0 \times 10^{-5}\,T$.

What is the magnitude of the magnetic flux cut by the aircraft as it flies for a time of one minute?

A   0.048 Wb   **B**   0.090 Wb   **C**   0.12 Wb   **D**   7.2 Wb