Answer on question \#65778, Physics / Mechanics - Relativity

Question If a cessna 172 requires 15 seconds to reach its life off speed of 145 $\mathrm{km} / \mathrm{hr}$ what is its average acceleration?

Solution The acceleration is

$$
a=\frac{v}{t}=\frac{145 / 3.6}{15} \approx 2.7 \mathrm{~m} / \mathrm{s}^{2}
$$

