Answer on Question #76606, Physics Mechanics Relativity

A car of mass 500 kg moves with a rate of change of momentum 10 kgm per second square for 5 second the force acting on it?

Solution.

$$F = \frac{p}{\Delta t} = \frac{10\,\frac{kg \cdot m}{s}}{5\ s} = 2\ \frac{kg \cdot m}{s^2}$$

Answer: $F = 2\ \frac{kg \cdot m}{s^2}$