

Question:18805

A tow rope is used to pull a 1750-kg car, giving it an acceleration of 1.35 m/s². What force does the rope exert?

Solution:

According to the First Newton's Law:

$F = ma$, where F – force, m - mass, a – acceleration

$$F = 1750 * 1.35 = 2362.5 \text{ N}$$

Answer: 2362.5 N