

Problems covered in the video series:

Video (3)

A car has a mass of 1950 kg. The gauge pressure of the tires is 2.3×10^5 Pa. What is the total area (in cm^2) of contact between the tires and the ground?

Videos (9) – (11)

A spherical rubber balloon with mass 0.85 g and diameter 30 cm is filled with helium (density 0.18 kg/m^3). How many 1.0-g paper clips can you hang from the balloon before it loses its buoyancy?