

## Answer on Question 49792, Physics, Molecular Physics | Thermodynamics

### Question:

What is the mass of 750 liters of gasoline? (Take  $\rho_{\text{gasoline}} = 680 \frac{\text{kg}}{\text{m}^3}$ )

### Solution:

$$m_{\text{gasoline}} = \rho_{\text{gasoline}} V = 0.68 \frac{\text{kg}}{\text{L}} \cdot 750 \text{L} = 510 \text{kg}.$$

### Answer:

$$m_{\text{gasoline}} = 510 \text{kg}.$$