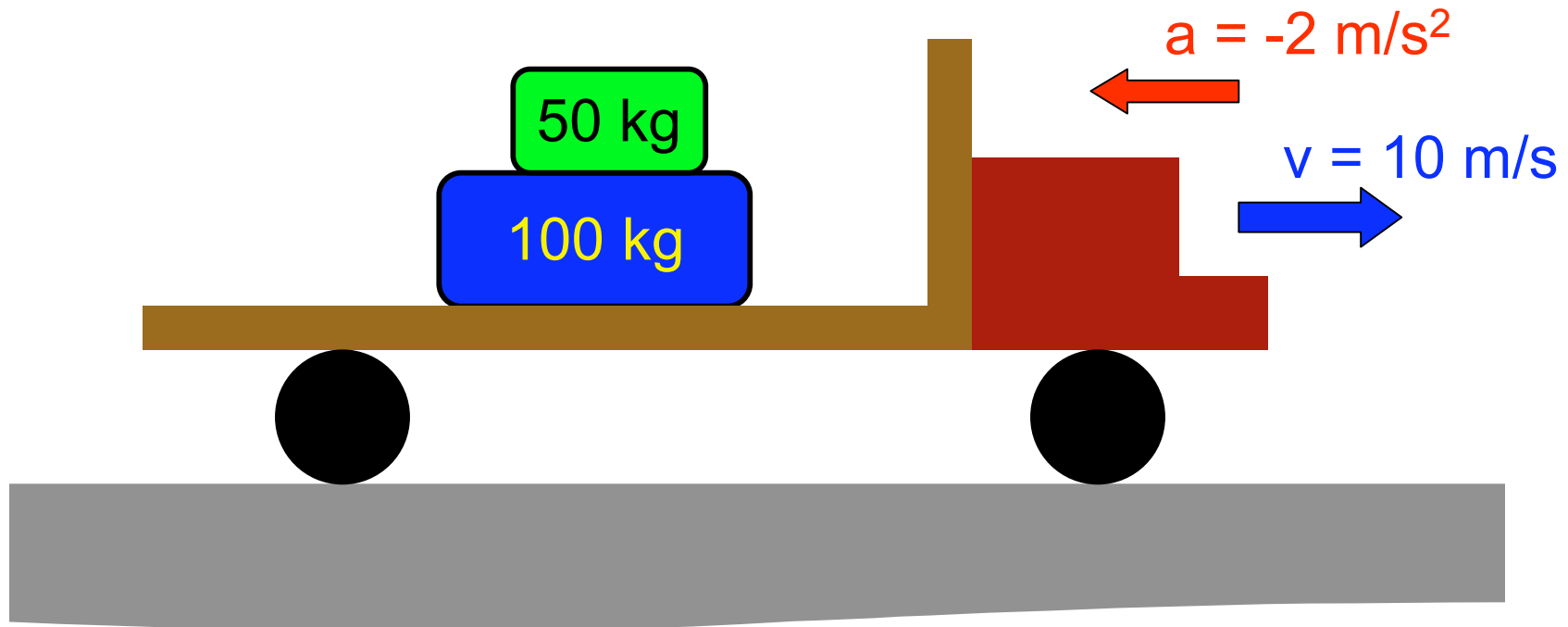


Quiz: Free Body Diagrams



A truck carries two crates stacked atop one another as shown. It is traveling at $v=10 \text{ m/s}$ and braking at $a=-2 \text{ m/s}^2$. The crates **do not slide**. Draw a free body diagram for each crate. Note the magnitudes of all forces on or below the diagram. (If you prefer you may approximate $g = 10 \text{ m/s}^2$.)

