

Force and Mass

Note-taking Guide - Answer Key

*same, harder, greater, more, balance, mass, matter, smaller,
force, empty*

Looks like Tess is finding it harder to pull the wagon with Lola in it. She was able to pull the wagon easily when it was empty.

This is because the mass of the wagon is much greater when Lola is sitting in it than when it is empty.

Tess has to use more force to move the wagon when it has a greater mass.

When Sean applies the same amount of force, the truck does not move.

Sean will have to exert more force to make the truck move along the track.

Mass is the amount of matter in an object.

Mass is measured using a balance.

The greater the mass of an object, the greater is the force required to move it.

The empty truck has less mass, and therefore a smaller force can move it.