

## Suggested Non-Quiz Assessment Tool

### *Performance Assessments*

2 possible assessments for this activity:

1. Provide students with a force diagram [model](#) of a double mass [system](#) (a second mass hangs from the first mass, there are 3 threads in the [system](#)). Have the students create a force diagram [model](#) for the system when a moderate force is applied to the bottom thread. Have students rank the tension force in each thread from least to greatest.
2. Introduce students to the classic '[horse-cart dilemma](#)'. Ask students to create a force diagram [model](#) explaining how it is possible for the horse to pull the cart if the cart produces an equal and opposite force on the horse.