

## AGENDA

- Entry Task
- Turn in investigation
- Force on Carts

## Exit Goal

Complete net force notes and the force on carts worksheet.

**Quick Write:**

Force is required to start an object moving. Do objects always move when force is exerted on them? Give evidence for your answer.



Figure 1

**Turn in your investigations to the shelf.**

Learning target: I can diagram and explain how an object will react to the forces acting on it.

**Motion is caused by unbalanced forces!**

Learning target: I can diagram and explain how an object will react to the forces acting on it.

**Net Force:** The sum of all forces acting on an object.

~Forces acting in the same direction add together

~Forces acting in opposite directions subtract

Learning target: I can diagram and explain how an object will react to the forces acting on it.

Sketch the image and force arrows. Draw an arrow showing the final movement direction and force.



← net force 3N

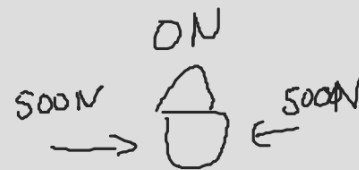


→ 14N.

Learning target: I can diagram and explain how an object will react to the forces acting on it.

### Forces on Carts

1. Draw force arrows
2. Tell net force (N)
3. Answer questions in complete sentences



**Due at the end of class**

**When you have finished read p. 325-326  
in the text book.**

Learning target: I can diagram and explain how an object will react to the forces acting on it.