

Science Virtual Learning

3rd Grade Forces and Motion





3rd Grade Math Lesson: 4/6/20

Learning Target:

I can plan and carry out an experiment to show the effects of balanced and unbalanced forces on an object.

Background:

- Students learn to describe ways to change the motion and direction of an object and amount of force in 2nd grade.
- Students learn the difference between a balanced and unbalanced force in 3rd grade.

Let's Get Started:

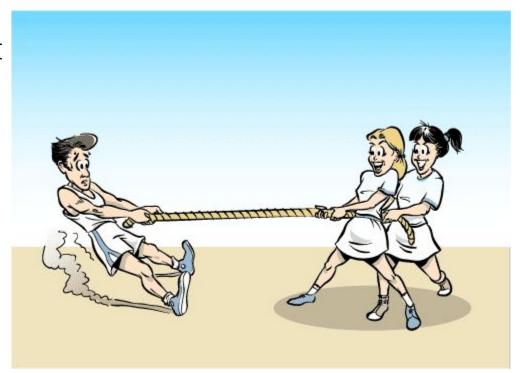
Watch Videos:

- 1. Bill Nye the Science Guy: Balance
- 2. <u>Generation Genius- Balanced and Unbalanced Forces</u>
- 3. Watch this Anchor Lesson

Practice #1:

Is this picture showing a balanced or unbalanced force??

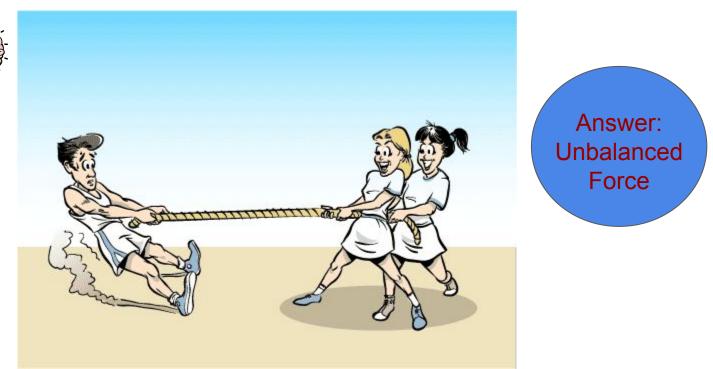
- A balanced wide is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.



Practice #1:

Is this picture showing a balanced or unbalanced force??

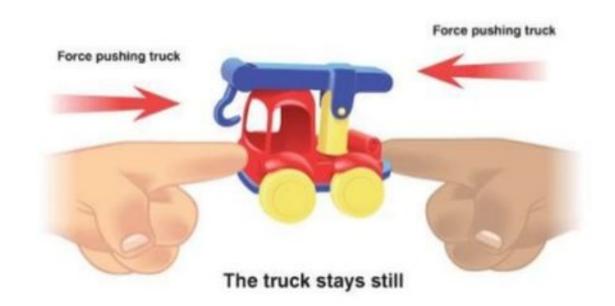
- A balanced wide is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.



Practice #2:

Is this picture showing a balanced or unbalanced force??

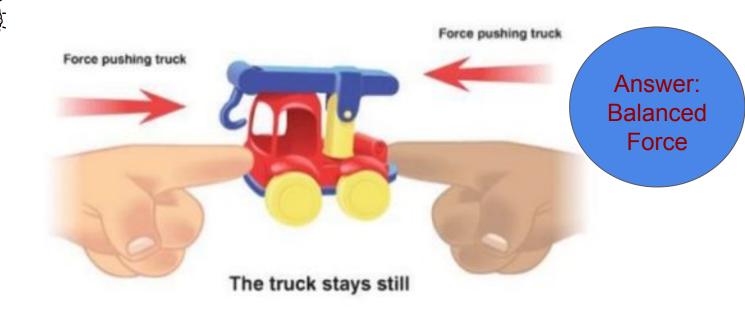
- A balanced roi de is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.



Practice #2:

Is this picture showing a balanced or unbalanced force??

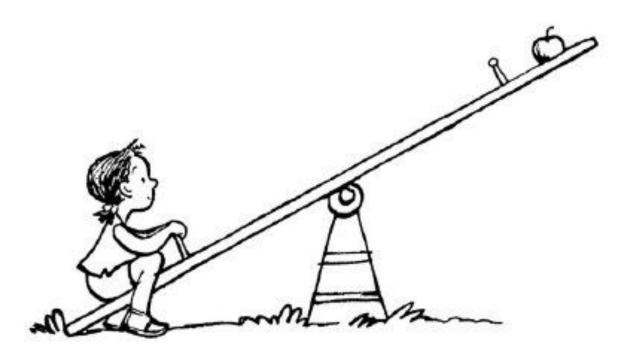
- A balanced roi de is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.



Practice #3:

Is this picture showing a balanced or unbalanced force??

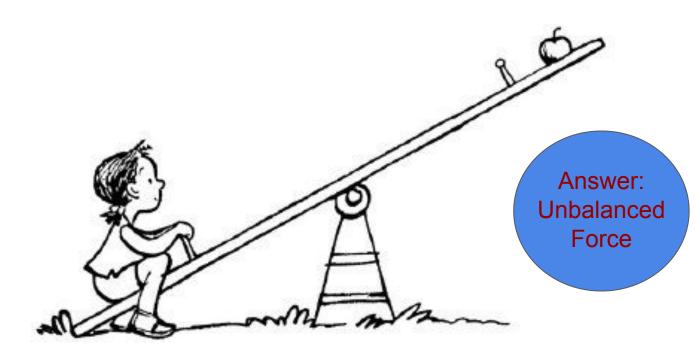
- A balanced wide is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.



Practice #3:

Is this picture showing a balanced or unbalanced force??

- A balanced wide is when two forces pulling in the opposite direction are equal.
- An unbalanced force is when one force is greater than the other.

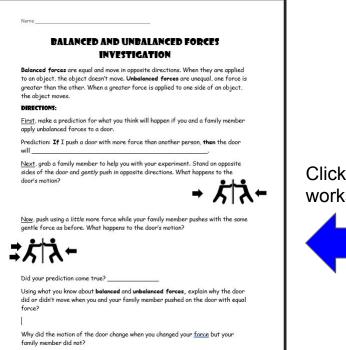


Practice on your own: Go to this website: Brain Pop

- 1. Click on the intro to practice balancing the forces.
- 2. Practice balancing forces on the seesaw in the Balance Lab.
- 3. Play the game to show your understanding of balanced and unbalanced forces.



Practice: Complete this page in your packet.



Click here to open worksheet.



Self Check:

- 1. Was this lesson?
 - easy,just righthard



- 2. Explain to a family member at home the difference between a balanced and unbalanced force.
 - Go tell someone in your home your answers!