



Forces and Motion

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. Two Grade 3 students push a box in opposite directions with equal force. What happens?

- A) The box does not move because forces are balanced
- B) The box speeds up in one direction
- C) The box lifts off the floor
- D) The box bounces back and forth

2. A cart is rolling forward. A Grade 3 student now pushes it forward with more force. What happens?

- A) The cart stops right away
- B) The cart speeds up in the forward direction
- C) The cart turns around
- D) The cart keeps the same speed

3. Two teams are tied in tug-of-war. One team then pulls harder. What will happen?

- A) The rope stays still
- B) The rope breaks in two
- C) The rope moves toward the stronger team
- D) Both teams fall down at once

4. A book rests on a Grade 3 desk without moving. Which statement is true?

- A) No forces are acting on the book
- B) Only gravity acts on the book
- C) Gravity and the desk push are balanced
- D) The book is about to fly up

Part B: Fill in the Blank

Write the correct answer on each line.

1. When forces on an object are balanced, its motion does not _____.
2. When forces are not equal, we call them _____ forces.
3. A still object has forces that are _____ or no forces acting at all.
4. To speed up a moving cart, you need an _____ push in the same direction.
5. If balanced forces become unbalanced, the object will _____ its motion.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. When forces on an object are balanced, its motion does not change .
2. When forces are not equal, we call them unbalanced forces.
3. A still object has forces that are balanced or no forces acting at all.
4. To speed up a moving cart, you need an extra push in the same direction.
5. If balanced forces become unbalanced, the object will change its motion.