



Forces and Motion

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A bigger push on a toy car makes it move with more _____.
2. Two friends pushing a box in the same direction make it move _____.
3. Two equal pushes in opposite directions _____ each other out.
4. If you double the push on a cart, its speed will _____.
5. A push is one kind of _____ that can change motion.
6. When forces on an object are equal and opposite, we say they are _____.
7. When the total force is not zero, we say the forces are _____.
8. If two kids pull on a rope with equal force, the rope does not _____.
9. Pushing a swing at just the right time makes it swing _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Two equal pushes in opposite directions	→ _____	Forces cancel and the object does not move
Two pushes in the same direction	→ _____	Forces add and the object speeds up
Doubling the push on a cart	→ _____	Speed about doubles
One strong pull with no other force	→ _____	Unbalanced force makes the object move

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A bigger push on a toy car makes it move with more speed .
2. Two friends pushing a box in the same direction make it move faster .
3. Two equal pushes in opposite directions cancel each other out.
4. If you double the push on a cart, its speed will double .
5. A push is one kind of force that can change motion.
6. When forces on an object are equal and opposite, we say they are balanced .
7. When the total force is not zero, we say the forces are unbalanced .
8. If two kids pull on a rope with equal force, the rope does not move .
9. Pushing a swing at just the right time makes it swing higher .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Two equal pushes in opposite directions	→	<u>Forces cancel and the object does not move</u>	Forces cancel and the object does not move
Two pushes in the same direction	→	<u>Forces add and the object speeds up</u>	Forces add and the object speeds up
Doubling the push on a cart	→	<u>Speed about doubles</u>	Speed about doubles
One strong pull with no other force	→	<u>Unbalanced force makes the object move</u>	Unbalanced force makes the object move