



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 makes an object move _____ than a smaller push.
2. Two equal forces in opposite directions will _____ each other out.
3. The _____ of a force tells which way an object will move.
4. A harder kick sends a ball a _____ distance than a light tap.
5. When two kids push a wagon the same way, the forces _____ together.
6. If you push a toy car left and a friend pushes right with equal force, it stays _____.
7. The _____ of a push affects how fast an object moves.
8. A gentle push on a swing makes it move _____ than a hard push.
9. Forces have both size and _____ in Grade 3 Science lessons.

Part B: Matching

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

1. Match each item to its correct answer.

Big push on a ball	→ _____	Ball rolls far and fast
Two equal opposite pushes	→ _____	Object stays still balanced
Two pushes in same direction	→ _____	Forces add for bigger motion
Small push on a wagon	→ _____	Wagon moves slowly a short way

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A bigger push makes an object move faster than a smaller push.
2. Two equal forces in opposite directions will cancel each other out.
3. The direction of a force tells which way an object will move.
4. A harder kick sends a ball a farther distance than a light tap.
5. When two kids push a wagon the same way, the forces add together.
6. If you push a toy car left and a friend pushes right with equal force, it stays still.
7. The size of a push affects how fast an object moves.
8. A gentle push on a swing makes it move slower than a hard push.
9. Forces have both size and direction in Grade 3 Science lessons.

Part B: Matching

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

1. Match each item to its correct answer.

Big push on a ball	→ <u>Ball rolls far and fast</u>	Ball rolls far and fast
Two equal opposite pushes	→ <u>Object stays still balanced</u>	Object stays still balanced
Two pushes in same direction	→ <u>Forces add for bigger motion</u>	Forces add for bigger motion
Small push on a wagon	→ <u>Wagon moves slowly a short way</u>	Wagon moves slowly a short way