

Push Back!

Read how touching objects push and can change shape.

2.7.A “explain how objects push on each other and may change shape when they touch or collide; and”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each place where two objects push on each other, and circle each object whose shape changes.

Maya Tests Pushes

- ① At recess, Maya rolls a rubber ball toward a sturdy wall. The ball touches the wall and pushes on it. At the same time, the wall pushes back on the ball. The ball stops, then rolls away.
- ② Later, Maya presses a lump of soft clay with her thumb. Her thumb pushes the clay, and the clay pushes her thumb. The clay changes from a round lump to a flat, dented shape. Her thumb does not change shape.
- ③ Two toy cars roll toward each other on a smooth floor. When they collide, each car pushes on the other car. One car has a foam bumper. The bumper squishes for a moment, so its shape changes. Then it springs back.

2 ANSWER WITH EVIDENCE Use the passage

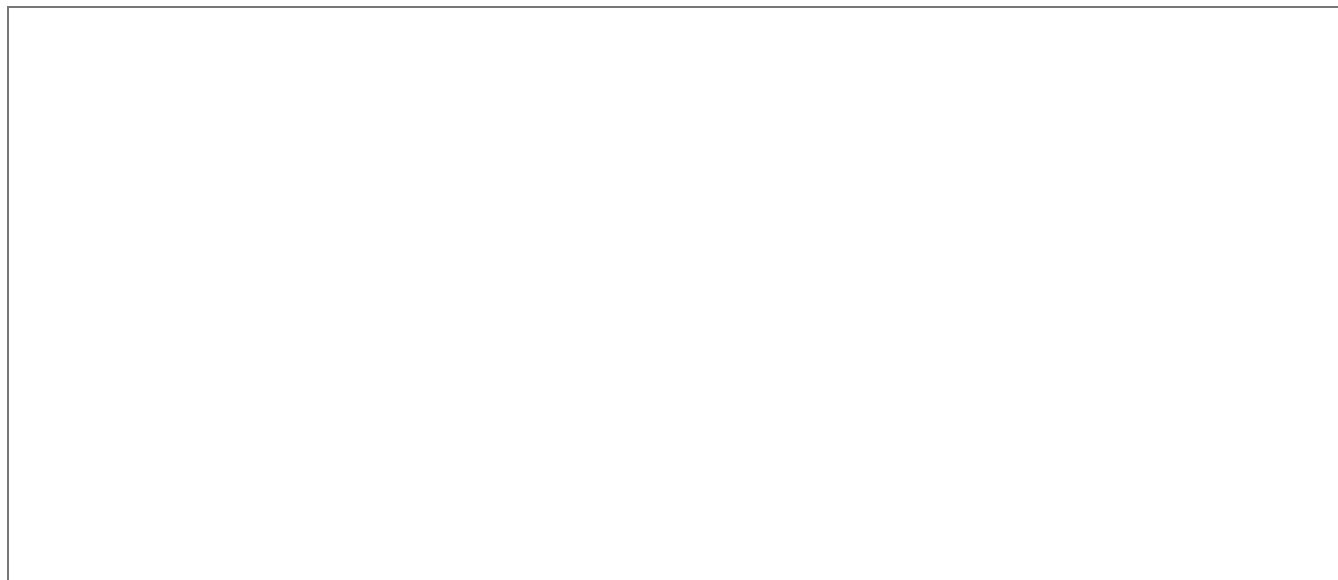
1 When the ball touches the wall, how do the ball and wall push on each other?

2 What happens to the clay when Maya presses it? What causes this change?

3 Which part of a toy car changes shape in the collision? How does it change?

3 YOUR TURN Your own words

Draw two objects touching or colliding. Add arrows to show each object pushing the other. Write one sentence telling whether either object changes shape and why.



PART 1 • READ AND MARK

Underline each place where two objects push on each other, and circle each object whose shape changes. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	When the ball touches the wall, how do the ball and wall push on each other?	The ball pushes on the wall, and the wall pushes back on the ball.
2	What happens to the clay when Maya presses it? What causes this change?	The clay changes from a round lump to a flat, dented shape because Maya's thumb pushes it.
3	Which part of a toy car changes shape in the collision? How does it change?	The foam bumper changes shape. It squishes for a moment, then springs back.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Drawing: A hand presses a sponge, with one arrow from the hand to the sponge and one arrow from the sponge to the hand. The sponge changes shape because the hand pushes it.

Accept answers that name a push from each touching or colliding object. In Your Turn, accept many object pairs if the drawing shows pushes in both directions and the sentence correctly explains a shape change or no shape change.