

Build It New

See how the same small pieces can make different structures.

S2P1.b "Construct an explanation for how structures made from small pieces (linking cubes, building blocks) can be disassembled and then rearranged to make new and different structures."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle the words **First**, **Next**, and **Last**. Then write 1, 2, and 3 beside the sentences that begin with those words to show the order Jamal used to change his structure.

Jamal's Cube Change

- ① Jamal snapped eight linking cubes together to make a long train. The cubes made one row that went across his desk. Jamal wanted a new structure, so he decided to take the train apart. He kept all eight cubes.
- ② First, Jamal pulled apart every link in the train. Next, he set four cubes in one stack. Last, he set four more cubes in a second stack beside the first stack. His new structure was a short tower.
- ③ The train and tower both had eight cubes. Pulling the train apart did not change the cubes or their number. Rearranging the cubes changed where they touched and the way the structure grew. The train went across, while the tower went up.

2 ANSWER WITH EVIDENCE Use the passage

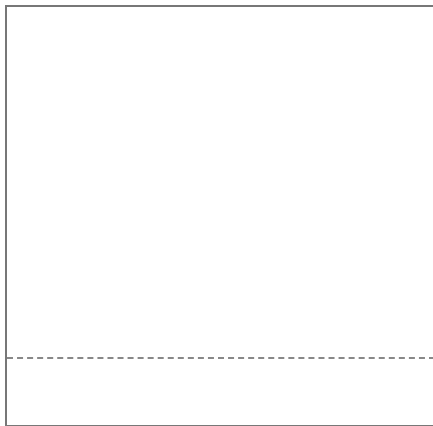
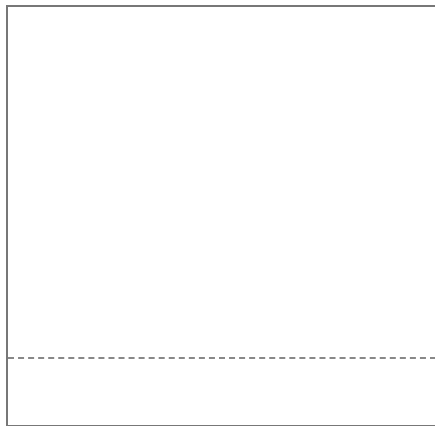
1 What did Jamal pull apart first?

2 How did Jamal arrange the eight cubes to make the tower?

3 Why did the tower look different from the train, even though both used eight cubes?

3 YOUR TURN Your own words

In the first drawing box, draw a structure made of six building blocks. In the second drawing box, show the six blocks apart. In the third drawing box, rearrange the same six blocks into a new structure. Then write two sentences that explain what you changed and one way the new structure is different.



PART 1 • READ AND MARK

Circle the words **First**, **Next**, and **Last**. Then write 1, 2, and 3 beside the sentences that begin with those words to show the order Jamal used to change his structure. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What did Jamal pull apart first?	He pulled apart every link in the train.
2	How did Jamal arrange the eight cubes to make the tower?	He made two stacks of four cubes and put the stacks beside each other.
3	Why did the tower look different from the train, even though both used eight cubes?	The cubes were rearranged. They touched in different places, and the train went across while the tower went up.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Drawings: Panel 1, a six-block wall; Panel 2, six separate blocks; Panel 3, a six-block tall stack. I pulled apart the wall and used the same six blocks to build a stack. The wall was wide, but the stack was tall.

Accept answers that state the train was disassembled and the same eight cubes were rearranged into two stacks. For Your Turn, accept any clear before, apart, and after drawings using the same six pieces, plus two sentences that explain the change and a structural difference.