

Shape Builders

Students join shape pieces, build again, and circle each new outline.

CCSS.Math.Content.1.G.A.2 "Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones...)"

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 BUILD SHAPES

a			
b			
c			

2 BUILD AGAIN

a			
b			

HOW TO RUN THIS PAGE

Before class, give each child 8 identical square pieces and 2 matching half-circle pieces (an adult can cut one paper circle in half). Provide table space. Read each row and choices aloud. Children must move and join their own pieces edge to edge, with no gaps or overlaps, before circling. Reset between rows. In Part 2, keep each small composite together while joining it to a matching composite. Observe each build; naming a shape alone is not enough.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • BUILD SHAPES

SAY “Use your pieces to build each shape I describe. Touch the edges with no gaps or overlaps. Show me your build, then circle the outline that matches.”

ROW	SAY	STUDENTS CIRCLE
a	Join two equal square pieces side by side with a whole edge touching. Show me. Circle the matching outline: square, rectangle, or triangle.	rectangle
b	Join your two matching half-circles with their straight edges touching. Show me. Circle the matching outline: circle, oval, or triangle.	circle
c	Use four equal squares to build two touching rows of two squares. Show me. Circle the matching outline: rectangle, square, or triangle.	square

PART 2 • BUILD AGAIN

SAY “Now build two matching composites from small squares. Keep the small pieces together in each composite, join the composites, and show the new outline before circling.”

ROW	SAY	STUDENTS CIRCLE
a	Build a rectangle from two equal squares side by side. Build a matching rectangle. Keep both rectangles together and join one directly below the other, long edge touching long edge. Circle the new outline: square, rectangle, or triangle.	square
b	Build a square from four equal squares in two rows of two. Build a matching square from four more pieces. Keep each square together and join them side by side, full edges touching. Circle the new outline: rectangle, square, or triangle.	rectangle

WHAT TO ACCEPT

Part 1: rectangle, circle, square. Part 2: square, rectangle. Check each child actually joins the supplied pieces with no gaps or overlaps and recombines two composites in Part 2. Accept rotations of a correctly built outline. A circled choice without a build is incomplete; support the child in building before recording.