Shape Builder Paths

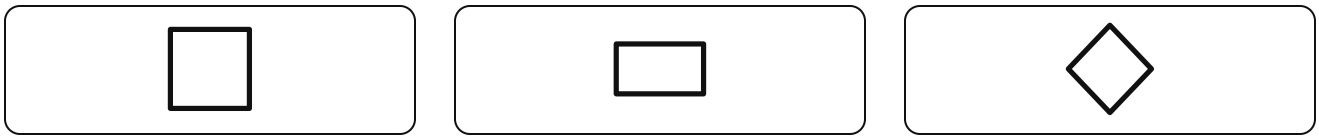
Join real pieces, then circle the finished outline.

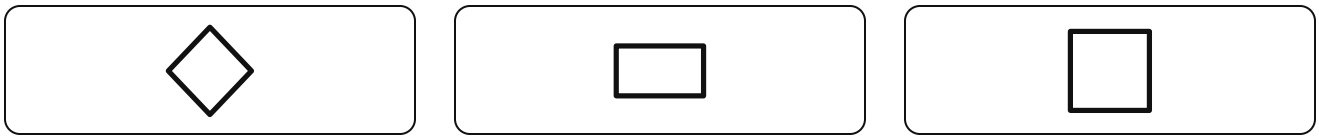
1.6.F "compose two-dimensional shapes by joining two, three, or four figures to produce a target shape in more than one way if possible;"

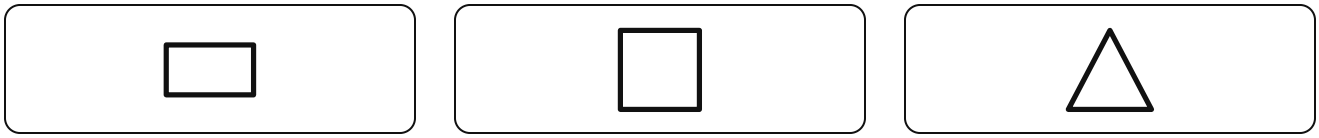
NAME _____ DATE _____

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

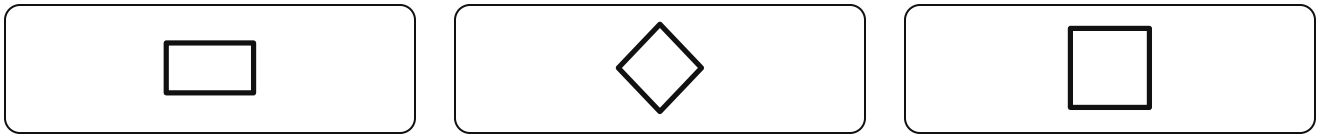
1 BUILD IT

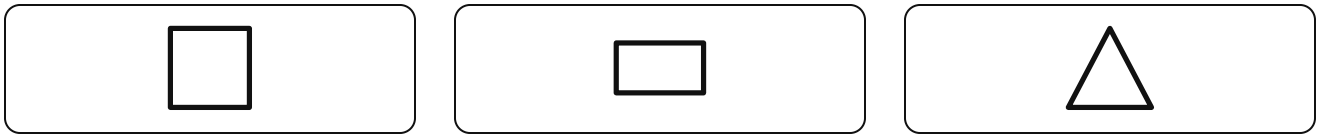
a 

b 

c 

2 NEW BUILDS

a 

b 

ANSWER KEY

Shape Builder Paths

GRADE 1 · TEKS 1.6.F

HOW TO RUN THIS PAGE

Supply each child four equal square paper pieces, two 3 cm by 1 cm paper rectangles, and a blank recording sheet. Read the scripts aloud. Children actually join pieces edge to edge without gaps or overlaps, trace each finished outline on the recording sheet, and then circle the matching outline. Retain the traced builds for checking. Explain that a square is a special rectangle; here the square choice means equal sides and the rectangle choice shows a nonsquare rectangle.

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 IT

SAY "Use your square pieces for each build. Join the pieces as I describe, trace the outside outline, then circle the matching outline on this page."

ROW	SAY	STUDENTS CIRCLE
a	Join two equal squares along a whole side. Trace the outside outline. Which pictured outline matches your build?	**rectangle**
b	Join three equal squares in one straight row, whole sides touching. Trace the outside outline. Which pictured outline matches your build?	**rectangle**
c	Join four equal squares in one straight row, whole sides touching. Trace the outside outline. Which pictured outline matches your build?	**rectangle**

PART 2 · NEW BUILDS

SAY "Make each new build with the supplied pieces. Trace the outside outline and circle the matching outline. Keep both builds to compare."

ROW	SAY	STUDENTS CIRCLE
a	Join four equal squares in two rows of two. Trace the outside outline. Which pictured outline matches your build?	**square**
b	Use the two rectangles that are each 3 centimeters long and 1 centimeter wide. Join them along their whole 3-centimeter sides. Trace the outside outline. Which pictured outline matches your build?	**rectangle**

WHAT TO ACCEPT

Part 1: rectangle, rectangle, rectangle. Part 2: square, rectangle. Check the actual joined pieces and all five traced outside outlines. The two 3-by-1 rectangles make a 3-by-2 nonsquare rectangle. The square-piece builds have dimensions 2-by-1, 3-by-1, 4-by-1, and 2-by-2 in square-side units. As an additional build, ask children to make the same 3-by-2 rectangular target using three 2-by-1 paper rectangles supplied by the teacher; trace and compare with the two-piece build. Accept either orientation and a reasoned explanation that the fourth build is also a special rectangle, while the equal-sided outline is the most specific pictured match.