Shape Build Split

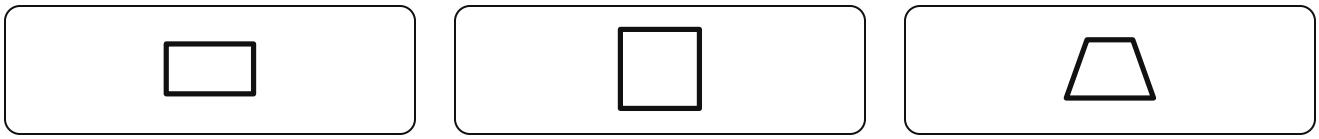
Students build and split paper figures, then identify shape relationships.

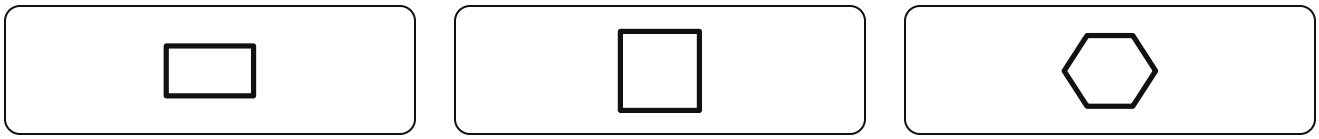
MA.1.GR.1.3 "Compose and decompose two- and three-dimensional figures. Figures are limited to semi-circles, triangles, rectangles, squares, trapezoids, hexagons, cubes, rectangular prisms, cones and cylinders."

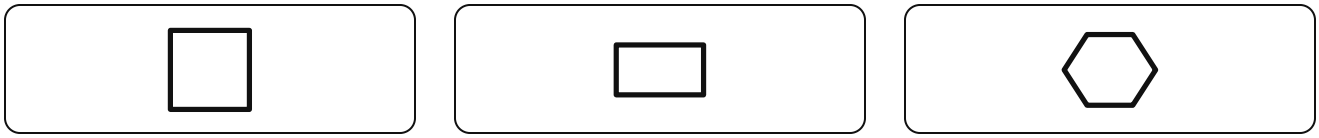
NAME _____ DATE _____

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

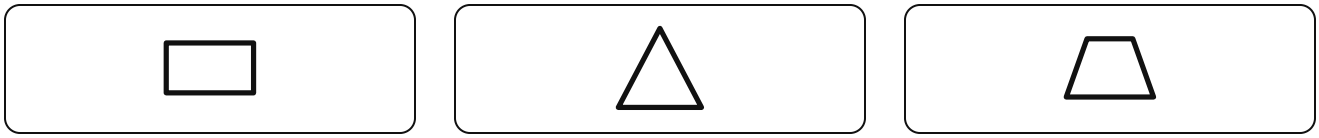
1 BUILD IT

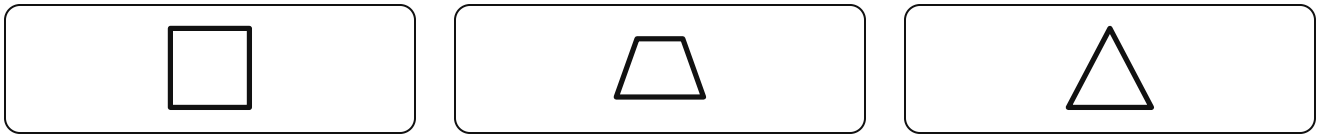
a 

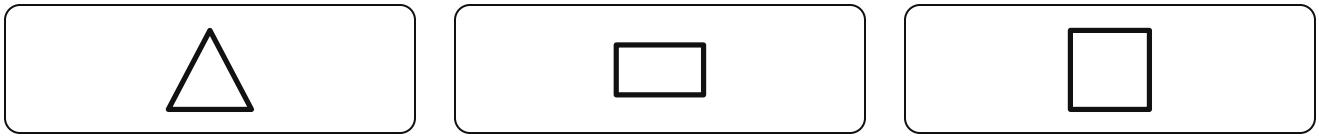
b 

c 

2 SPLIT IT

a 

b 

c 

ANSWER KEY

Shape Build Split

GRADE 1 · MA.1.GR.1.3

HOW TO RUN THIS PAGE

Print the student page one-sided. Prepare two equal paper squares and one large paper square per child. Before the recognition rows, children join the two squares edge to edge and trace their whole on the blank back of this sheet. After the rows, children draw a corner-to-opposite-corner cut line on the large square; the teacher cuts it and children separate and trace both pieces on the back.

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 "Place your two paper squares so one whole side of each touches. Trace around the outside on the back of your sheet. What whole shape did you build? Then listen to each story and circle the shape its pieces make."

ROW	SAY	STUDENTS CIRCLE
a	Two equal squares touch along one whole side. Which shape do they make together? Circle one shape.	**rectangle**
b	Two matching right triangles are joined along their longest sides. Their outside edges make four equal sides and four square corners. Which shape do they make? Circle one shape.	**square**
c	Two matching trapezoids are joined so their short sides touch. The outside edge has six sides. Which shape do they make? Circle one shape.	**hexagon**

PART 2 · SPLIT IT

SAY "First listen and circle the piece shapes in these rows. Then draw a line from one corner of your paper square to the opposite corner. I will cut on your line. Separate the pieces and trace each one on the back of your sheet. What shapes did you make?"

ROW	SAY	STUDENTS CIRCLE
a	Imagine a square cut from one corner straight to the opposite corner. What shape is each piece? Circle one shape.	**triangle**
b	Imagine a rectangle cut from one corner straight to the opposite corner. Each piece has three sides. Which shape is each piece? Circle one shape.	**triangle**
c	Imagine a hexagon split from its middle point to every corner. What shape is each small piece? Circle one shape.	**triangle**

WHAT TO ACCEPT

Observe the actual build and split: the two equal squares share a whole side to make a rectangle; a diagonal cut separates the square into two triangles. Check both traced results on the back. Recognition keys remain Build It: rectangle, square, hexagon; Split It: triangle, triangle, triangle.