

Bridge Choice Lab

Students use paper-bridge model data to explain and choose a solution.

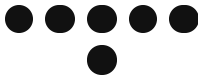
1.3.A “develop explanations and propose solutions supported by data and models;”

NAME _____

DATE _____

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

1 USE DATA

a	FLAT-2	FOLD-6	TUBE-4
b	TUBE	FLAT	FOLD
c			

2 TELL WHY

model	FOLD
clips	6

HOW TO RUN THIS PAGE

Show three paper bridge models made from paper and resting across two books: a flat strip, a folded strip, and a paper tube. Students read the test data, choose a model that solves the problem, and give an oral explanation supported by the data.

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

PART 1 • USE DATA

SAY “Look at the paper bridge models: FLAT, FOLD, and TUBE. On this page, each name and number tells how many paper clips that model held in a test.”

ROW	SAY	STUDENTS CIRCLE
a	Read these with me: FLAT-2, FOLD-6, and TUBE-4. Which model held the most paper clips? Circle it.	FOLD-6
b	Which bridge model would you choose to hold more paper clips next time? Circle its name.	FOLD
c	Which dots show the data that support your choice? Circle them.	6 dots

PART 2 • TELL WHY

SAY “Point to the model and dots you circled. Tell a partner, “I choose this model because it held this many clips.” Trace the model name in the first box and the number in the second box.”

- Box 1 (beside model): **FOLD**
- Box 2 (beside clips): **6**

WHAT TO ACCEPT

Part 1 answers are FOLD-6, FOLD, and 6 dots. Accept a traced or independently written FOLD and 6, plus an oral explanation that connects FOLD to holding 6 clips.