

Surprise Result Detectives

Students spot results that do not fit and choose a possible reason.

1.1.d.ii "constructing and critiquing conclusions and explanations recognize unusual or unexpected results"

NAME _____

DATE _____

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

1 SPOT SURPRISE

a	5	6	9
b	8	4	5
c	2	6	3

2 CHECK WHY

a	GAPS	OVERLAP	TOUCHING
b	GAPS	OVERLAP	TOUCHING
c	CLEAR	BLOCKED	SMOOTH

HOW TO RUN THIS PAGE

Read each row aloud and give students time to make one circle. Students compare a result with the results most groups found, then examine whether an explanation could fit the unusual result. Listen for students who notice that an unusual result may need a reason or another check.

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

PART 1 • SPOT SURPRISE

SAY “Listen to each set of results. I will read the numbers in each row. Circle the result that does not fit what most groups found.”

ROW	SAY	STUDENTS CIRCLE
a	Most groups measured this book at 5 or 6 paper clips. I will read 5, 6, 9. Which number is unexpected? Circle it.	9
b	Most groups measured this book at 4 or 5 paper clips. I will read 8, 4, 5. Which number is unexpected? Circle it.	8
c	Most pushes made a pencil roll 2 or 3 hand lengths. I will read 2, 6, 3. Which distance is unexpected? Circle it.	6

PART 2 • CHECK WHY

SAY “Listen to each new result and the idea words in its row. Circle the idea that could explain the unusual result.”

ROW	SAY	STUDENTS CIRCLE
a	Most groups measured a book at 7 or 8 paper clips. One group got 10. I will read GAPS, OVERLAP, TOUCHING. Which idea could explain why 10 was new? Circle it.	OVERLAP
b	Most groups measured a book at 6 or 7 paper clips. One group got 4. I will read GAPS, OVERLAP, TOUCHING. Which idea could explain why 4 was new? Circle it.	GAPS
c	Most pushes made a pencil roll 3 or 4 hand lengths. One push made it roll 1 hand length. I will read CLEAR, BLOCKED, SMOOTH. Which idea could explain the new result? Circle it.	BLOCKED

WHAT TO ACCEPT

Part 1 answers are 9, 8, and 6. Part 2 answers are OVERLAP, GAPS, and BLOCKED. Accept a student pointing or verbally naming the correct choice if circling is difficult.