Golden Banana: Can We Trust a Map Made Only by Returners?

Name: _____ Date: _____

Only returning explorers can add reports to the shared map. Gate A has three reports, B three and C none. Which gate would you choose? What important number is missing?

One example, already done

Two returns from four departures is an observed return fraction of 2/4 = 50%. Counting successful reports alone cannot tell us the fraction. Returning does not mean finding the golden banana.

Returners-only reports: practice cards, not live player logs

Gate	Returning reports	Departures: known?
A	3	?
B	3	?
C	0	?

Your turn

1. Before turning the page, choose A / B / C and name one missing fact. Does no C report prove nobody tried C?

2. After everyone has chosen, turn over. Fill the full-board fractions. Which records were hidden by the returners-only view?

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Full mission board: reveal after the first choice

Gate	Departures	Returned	Unreturned	Fraction
A	5	3		
B	3	3		
C	2	0		

Three tokens: choose a gate, then ask for its next card

Token	Goal: returns / info	Gate	Outcome
1			
2			
3			

Keep ALL outcomes. Does B's 3/3 guarantee a return? Does a non-return locate a trap?

Change one thing

Separate puzzle: start C at 0/2. Add ONE return: ___ / ___ = ___ %. Is it guaranteed safe?

My puzzle - make it in class

Create two gates with three returns each but different departure counts. Show a parent reports first, full records later. Keep both fractions on an answer copy.

At home (with a parent)

Give a parent two groups with three successes each but different numbers of attempts. Ask what information is needed.

My parent tried my puzzle: Yes / Not yet Parent initials: _____