Monkey Republic: How Do We Share the Bananas?

Name: _____ Date: _____

Use candy or paper bananas: start five each and 30 in the bank, with scores at ZERO. Choose S (Share) or G (Grab) face down, then reveal together. Take positive payoffs from the bank; return one for -1. First aim for your own score, then the pair total. Play up to five rounds; reset stocks between matches.

One example, already done

Three rounds SS, SG, GG give left 3 - 1 + 0 = 2, right 3 + 5 + 0 = 8, and pair total 10. Each cell below lists LEFT / RIGHT.

The Win-Win payoff table

Left / Right	Right: S	Right: G
Left: S	3 / 3	-1 / 5
Left: G	5 / -1	0 / 0

Your turn

1. The other monkey shares. Which move gives YOU more this round? How many extra bananas? Does it give the PAIR more too?

2. The other monkey grabs. Compare your S and G payoffs. Then fill the three-round table on page 2.

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Keep the same payoff table

Round	Left move	Right move	Left gain	Right gain	Pair gain
1	S	G			
2	G	S			
3	S	S			
TOTAL					

Circle the pair-best cell in the payoff table. Is that also the best current move for YOU against a sharing partner? Explain using two numbers.

Change one thing

Keep payoffs fixed. Play three rounds for personal total, then three for pair total. Use the back of this sheet for your moves. Compare the sums; do not change choices after seeing the other card.

My puzzle - make it in class

Create a secret three-round S/G trace. Keep its left, right and pair totals on an answer copy. Give only the trace to a partner, then take it home.

At home (with a parent)

Ask a parent to choose personal total or pair total as the goal. Play three rounds, swap goals and check the sums.

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