# APPENDIX A. SCREENSHOTS AND INSTRUCTIONS

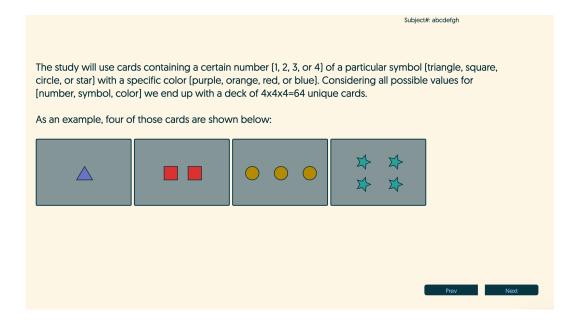
A.1. **First Stage Experiments.** Screenshots for first-stage experiments. Different states of the same stage are indicated by sub-captions.

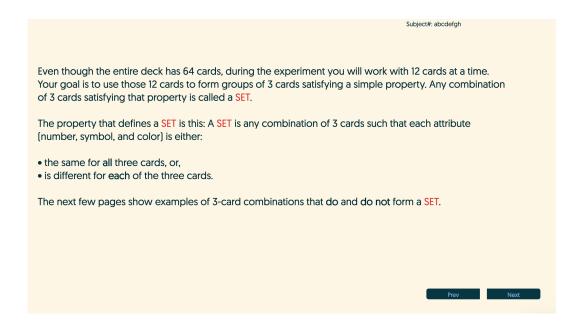
Subject#: abcdefgh
Thanks for participating in our research!
This study is comprised of a short task and some questions. It's conducted by researchers at the University of Pittsburgh (USA) and Royal Holloway University (UK). Our goal is to learn more about decision-making. It should take more or less 8 minutes to complete.
Your participation is voluntary and your responses are anonymous. No one will be able to track your answers back to you. Please make sure to mark your Amazon Profile as private if you do not want to be identified from your worker ID.
Questions? Please contact Felipe A. Araujo at f.araujo@pitt.edu
Next

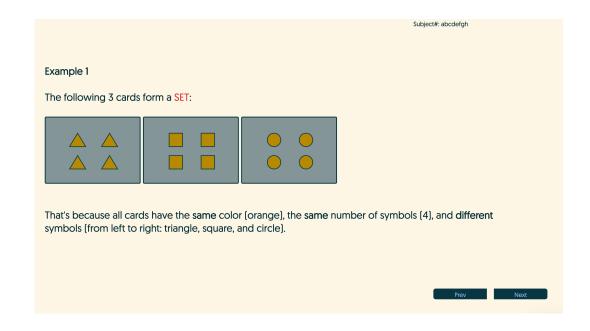
This is an experimental study about decision-making. On top of the \$0.50 for completing the study, you can receive an additional payment based on your choices. This additional payment will only be available to participants that correctly answer a few comprehension questions prior to the start of the study.

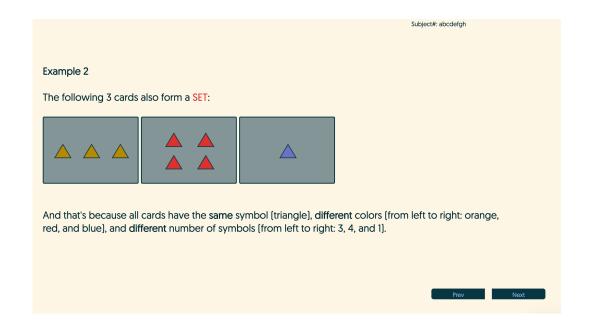
In the following pages we will explain the experimental task, how you make decisions, and how the extra payment is determined.

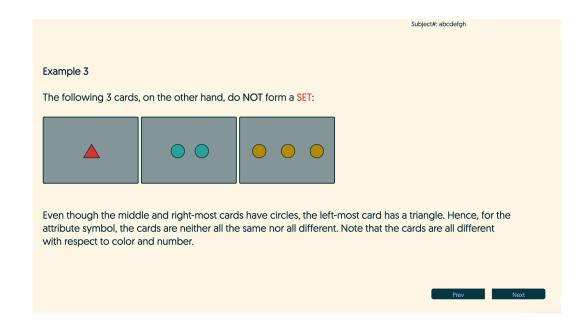
Any extra payment will be deposited as a bonus on MTurk within 3 days.

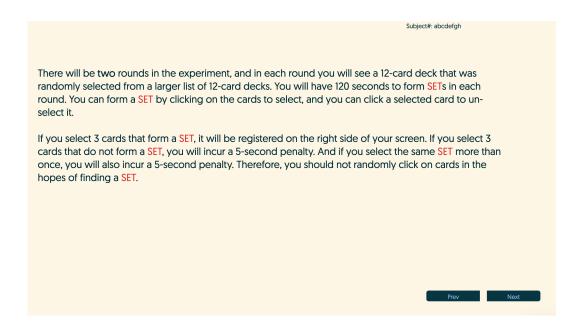


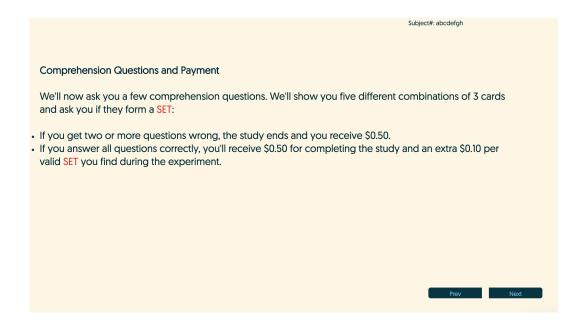


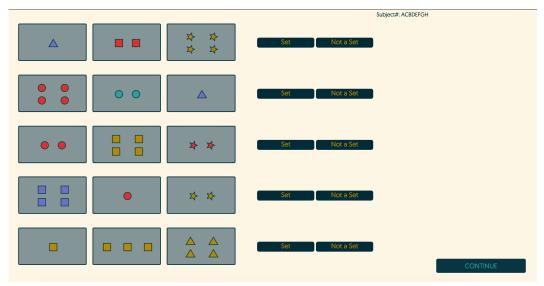




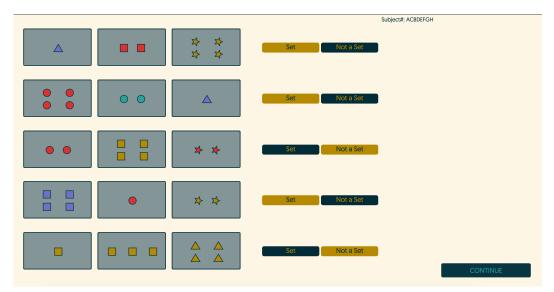






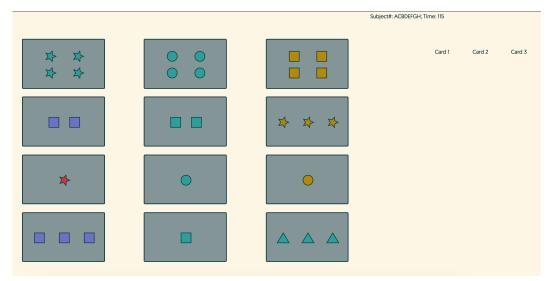


(A-1) Quiz stage with no answers

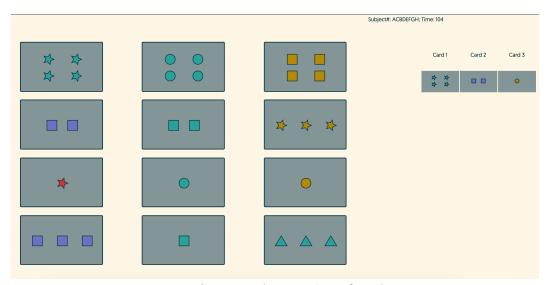


(A-2) Quiz stage with 4 correct answers

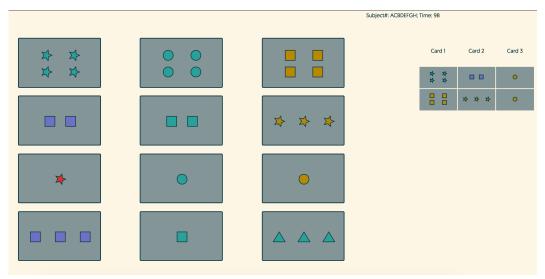




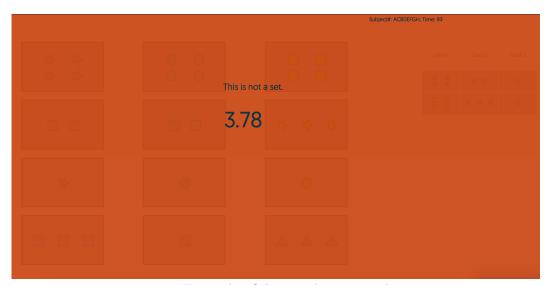
(B-1) Initial screen for round 1



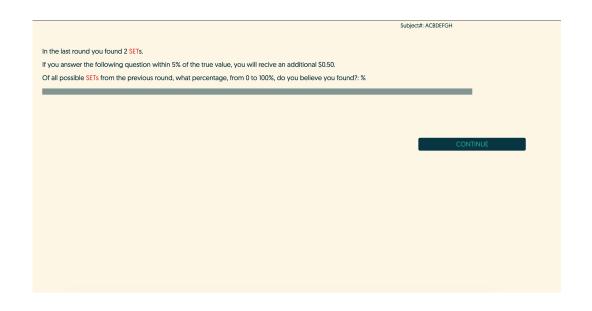
(B-2) Screen indicating 1 set found

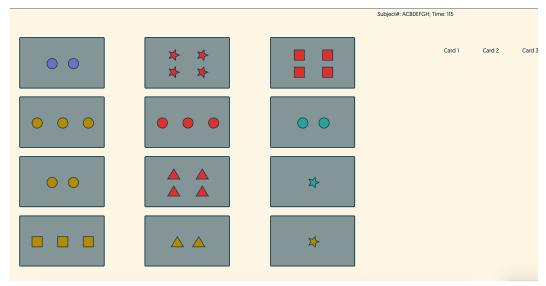


(B-3) Screen indicating 2 sets found

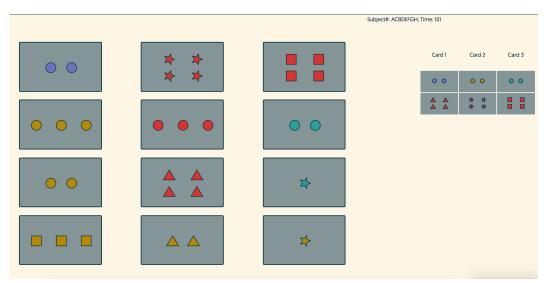


(B-4) Example of 5-second time penalty



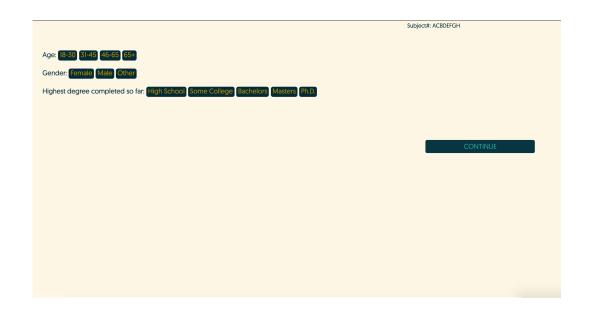


(C-1) Initial screen for round 2



(C-2) Screen indicating 2 sets found





Thank you.
In round 1 you found 2 of 23 sets: 9%; your assement was 60%.
In round 2 you found 2 of 23 sets: 9%; your assement was 40%.
You received a survey bonus of \$0.00.

You total payment is \$0.90.

Please enter the following paycode on Amazon M-Turk:

81275996

A.2. **Main Experiments.** Screenshots for main experiments. Different states of the same stage — and different treatments — are indicated by sub-captions.

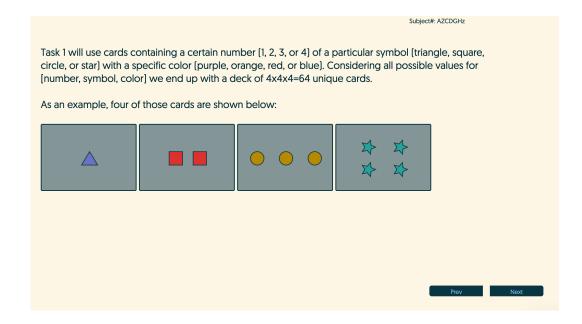
Subject#: AZCDGHz
Thanks for participating in our research!
This study is comprised of two short tasks. It's conducted by researchers at the University of Pittsburgh (USA) and Royal Holloway University (UK). Our goal is to learn more about decision-making. It should take around 8 minutes to complete.
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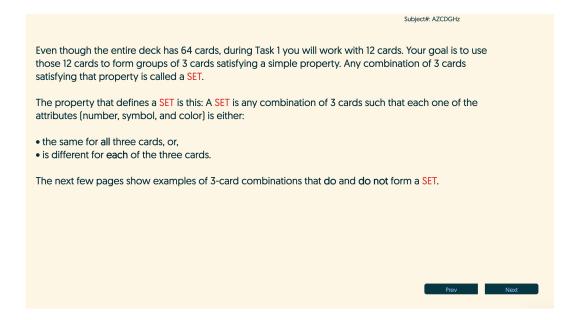
This is an experimental study about decision-making. On top of the \$0.50 for completing the study, you can receive additional payments based on your choices. The additional payments will only be available to participants that correctly answer a few comprehension questions prior to the start of the study.

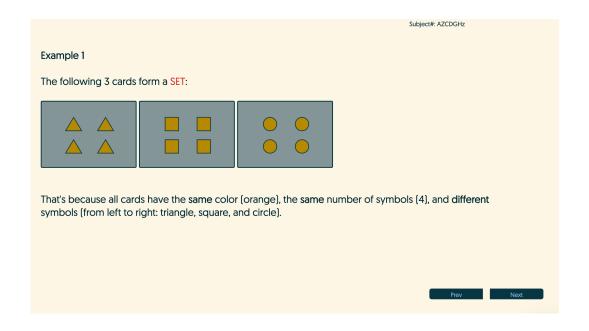
You will complete two tasks in today's experiment. In the next pages we'll give you details about Task 1. We will explain how you make decisions and how the payment for Task 1 is determined.

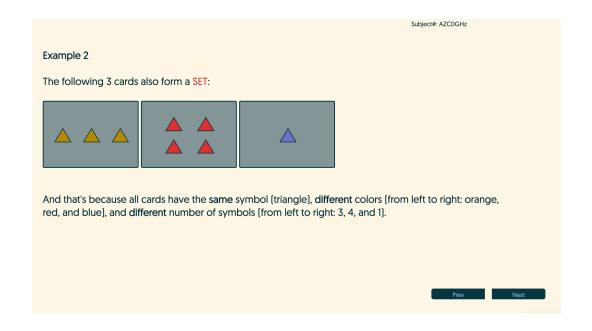
After Task 1 you will proceed to Task 2, where there is also a chance for an additional payment.

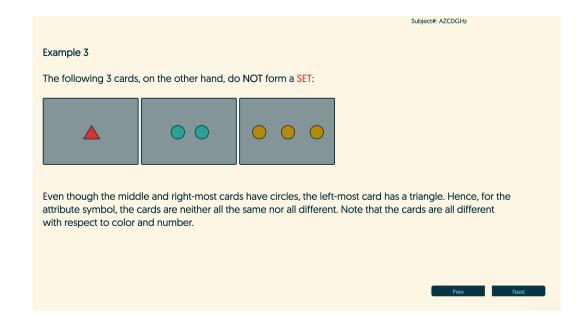
Any extra payment will be deposited as a bonus on MTurk within 5 days.

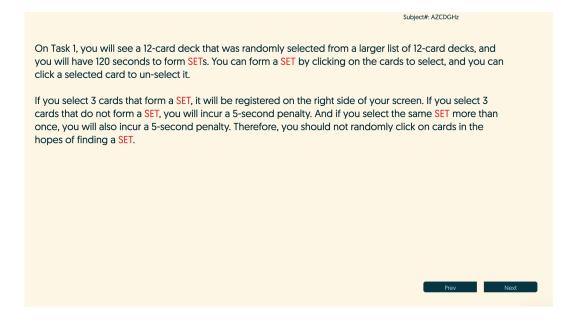










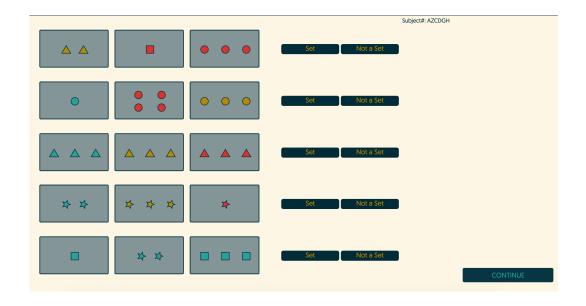


Comprehension Questions and Payment

We'll now ask you a few comprehension questions. We'll show you five different combinations of 3 cards and ask you if they form a SET:

If you get two or more questions wrong, the study ends and you receive \$0.50.

If you answer at least four of the five questions correctly, you'll receive \$0.50 for completing the study and an extra \$0.10 per valid SET you find during Task 1. Moreover, you will also have a chance for an additional payment on Task 2.



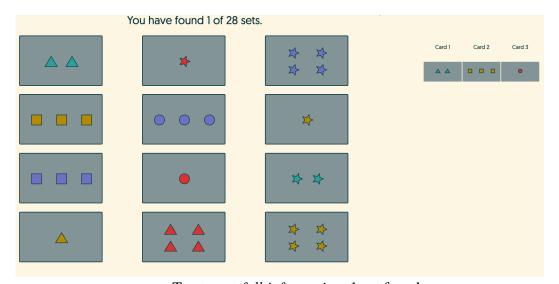
Congratulations! You passed the comprehension quiz and will move on to the main part of the study.

In Task 1 you will have 120 seconds to form SETs. You will be paid an additional \$0.10 per correct SET.

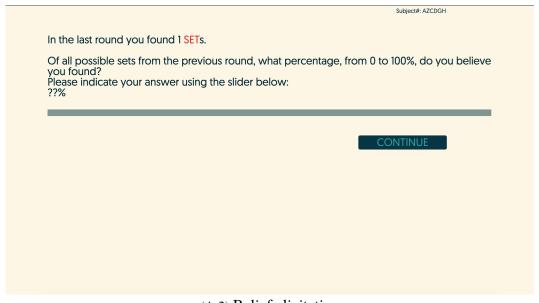
After completing Task 1 you will receive instructions for Task 2. Following Task 2, you will be asked to answer a few survey questions. Finally, you will receive your Mturk completion code.

Any extra amount you earn will be paid via a bonus on MTurk within 5 days.

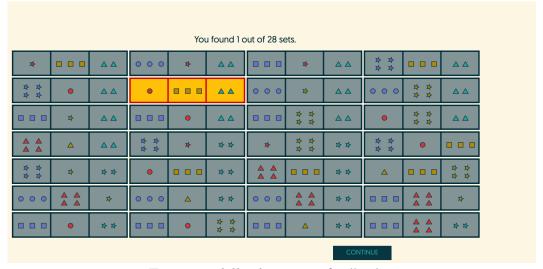
Click on the SUBMIT button to begin.



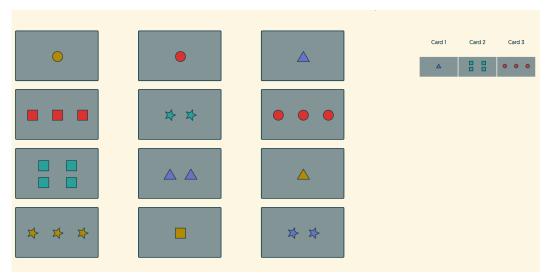
(A-1) Treatment full information; 1 set found



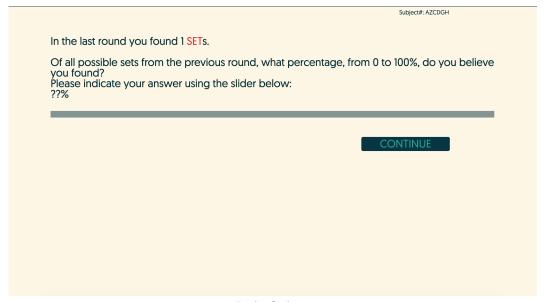
(A-2) Belief elicitation



(A-3) Treatment full information; feedback screen



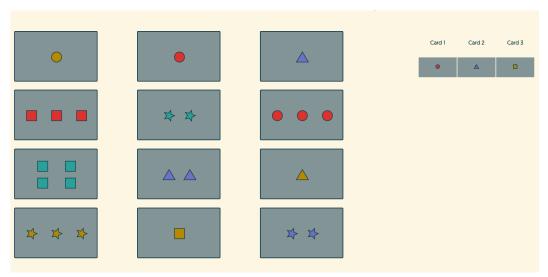
(B-1) Treatment unawareness; 1 set found



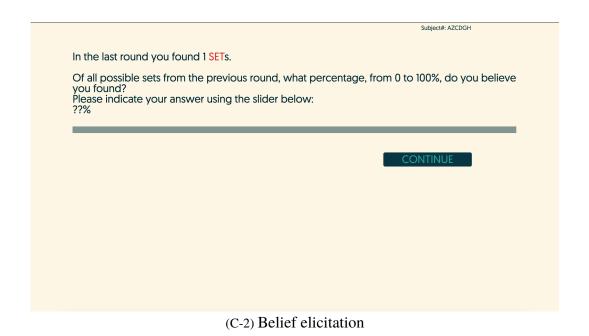
(B-2) Belief elicitation



(B-3) Treatment unawareness; feedback screen



(C-1) Treatment unawareness-info; 1 set found



You found 1 out of 28 sets. 0 \* \* . . . . . . 0 0 ---**A A** 0 **A A** \* \* 0 △ 0 Δ • **A A** • \* \* \* \* \* • ΔΔ • \* \* \* Δ . . . \* \* • • • • • • • \* \* \* ---\* \* . . . • • • \* \* • • • \* \*  $\triangle$ **A A** • • • • • • Δ \* \* • • • • • •  $\triangle$ **A A** \* \* \*

(C-3) Treatment unawareness-info; feedback screen

Subject#: AZCDGH

# Task 2

### How does it work?

- 1. You just received an additional \$1.00 for passing the comprehension quiz
- 2. You must decide how much of this additional \$1.00 to keep safe and how much to bet in a lottery
- 3. You can bet any amount from \$0.00 to \$1.00

### How do you earn money?

The amount of money you make will depend on your choices and on chance. You never lose the amount you keep safe, but there are two possible outcomes for the amount you bet:

- GOOD outcome: you earn three times the amount you bet
- BAD outcome: you lose the amount you bet

See examples on the next page.

Next

Subject#: AZCDGH

### Example 1

You bet \$0.10 and keep safe the remaining \$0.90:

- In the GOOD outcome you end up with 0.10 \* 3 + 0.90 = 1.20
- In the BAD outcome you end up with \$0.90

## Example 2

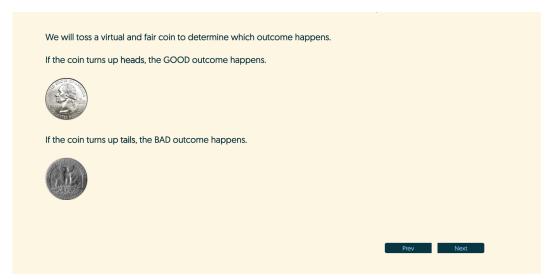
You bet \$0.90 and keep safe the remaining \$0.10:

- In the GOOD outcome you end up with 0.90 \* 3 + 0.10 = 2.80
- In the BAD outcome you end up with \$0.10

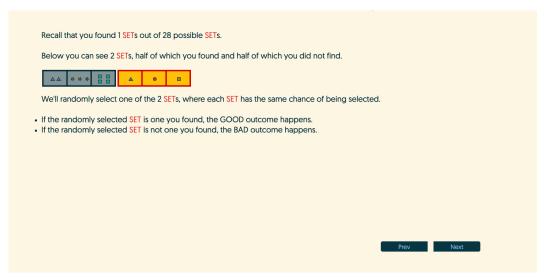
The next page explains the chance component of the lottery.

Prev

Nex



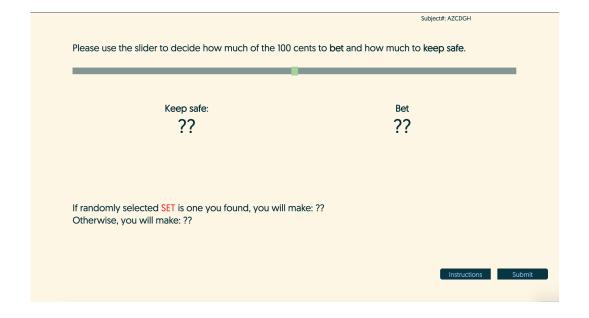
(D-1) Treatment with *neutral* risk task

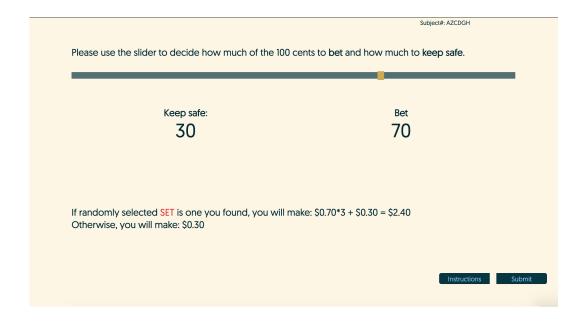


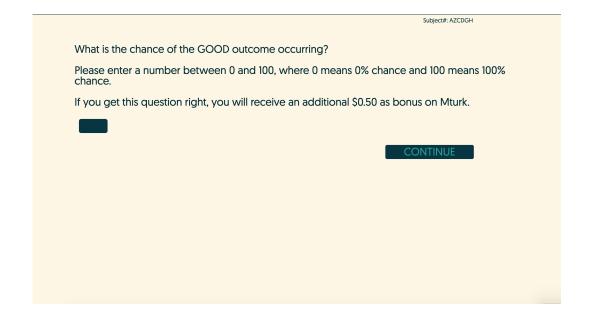
(D-2) Treatment with *context* risk task

The actual randomization will be done using public and verifiable means. Specifically, it will use future results from the Pennsylvania Lottery.

For more details, please e-mail Felipe A. Araujo at f.araujo@pitt.edu or check this study registration at the American Economic Association website.









# Thank you! Any bonus payments will be made within 5 days. Please enter the following paycode on Amazon M-Turk: a52950c8

# APPENDIX B. TABLES AND GRAPHS

Table B.5. Effect of probability assessment on betting behavior

	OLS		Tobit	
	(1)	(2)	(3)	(4)
Constant	29.91*** (5.75)	32.38*** (11.89)	25.26*** (7.96)	19.57 (15.87)
Probability assessment	.16 (.11)	.15 (.13)	.21 (.15)	.22 (.16)
Controls		X		X
N	431	430	431	430

Note: Figures are derived from OLS and Tobit regressions of share of endowment bet on the objective probability assessment. Controls include hand fixed-effects and dummies for age group (18-35, 36-45, 46-65, and 65+), education level (high-school, some college, college, and masters+) and gender.

<sup>\*\*\*</sup>p < 0.01 \*\*p < 0.05 \*p < 0.10