

Consent

Thank you for choosing to begin this survey. By continuing on with the survey, you consent to participating in this study.

What is the purpose of this research?

The purpose of this research is to better understand how individuals perform in a task and how individuals make hiring decisions.

What can I expect if I take part in this research?

You will participate in this research for less than half an hour. You will be asked a series of demographic questions and you will be asked for complete several tasks. You may be asked to complete a follow-up survey on two weeks.

What should I know about a research study?

- Whether or not you take part is up to you.
- Your participation is completely voluntary.
- You can choose not to take part.
- You can agree to take part and later change your mind.
- · Your decision will not be held against you.
- Your refusal to participate will not result in any consequences or any loss of benefits that you are otherwise entitled to receive.
- You can ask all the questions you want before you decide.

You may not be told everything

As part of this research design, you may not be told everything about the purpose or procedures of this research.

Who can I talk to?

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team at emmarackstraw@fas.harvard.edu.

Intro

The survey has two parts. In the first part, you will answer 50 short multiple-choice math questions. In the second part, you will answer some very basic demographic questions. In total, we expect this to take about 20 minutes.

We are interested in determining how many of these math questions you can get right without any help. So please **do not** use a calculator or look up the answers, but rather just do your best. The number of questions you answer correctly will not directly affect your payment, but you must answer all questions to receive payment.

Math

Q1. What is the square root of 289?

- O 17
- O 19
- O 21
- O 15

Q2. 4-8*9/2 = ?

- O -12
- O -6
- O -32
- O -18

4782	31
Q4. 5	5*6*7 = ?
O 2 O 1 O 2	210 180
Q5.\	What is the reduced form of the fraction 70/42?
1175	7/5
Q6. \	What is the cubic root of 64?
0 6	3
O 4	
O 3	
Q7. ((4+5)/5 = ?
O 1	
0 1	
O 6	

Q8. $x+2 < 18/3$. Which of the following is necessarily false ? O $x < 4$ O $x < 3$ O $x > 4$ O $x > 3$
Q9. x^5 * x^8 = ? O x^13 O x^11 O x^12 O x^14
Q10. Which of the following is approximately equal to 0.833? O 3/4 O 5/6 O 4/5 O 6/7
Q11. x=5, y=6, z=7, then what is xy/(z-4)? O 10 O 8 O 6 O 4
Q12. Which of the following is the closest integer to 45/7? O 7 O 6

O 5	
O 8	
Q13. Which of the following is an integer multiple of 9?	
O 3618	
O 3617	
O 3620	
O 3619	
Q14. 10/5+34-4 = ?	
○ 30○ 34	
O 32	
O 36	
Q15. $(x-1)^*(x^2-4)=0$, then which of the following cannot be x?	
O 2	
O -2	
O -1	
O 1	
Q16. What is the square root of 196?	
O 15	
O 14	
O 12	
O 13	

Q17. 5-6/(18/9) = ?
O -0.5
O 0.5
O -2
O 2
Q18. $(y+9)*(y^2-121)=0$, then which of the following cannot be y?
O -11
O 9
O 11
O -9
Q19. Which of the following is an integer multiple of 11?
O 130
O 133
O 132
O 131
<i>Q20.</i> 5+6+7+8+9+10 = ?
O 45
O 48
O 42
O 51
Q21. What is the binary form of 7?
O 100
O 111

110101
Q22. 35/7+1 = ?
 7 6 4 5
Q23. 24/4/3 = ?
4123
Q24. Which of the following is an integer multiple of 4?
56746266
Q25. Which of the following is not a prime number?
4253

Q26. 2*3*4*5 = ?
O 720
O 24
O 100
O 120
Q27. 6^3=?
O 128
O 432
O 216
○ 36
Q28. (4*2+7*8)/4=?
O 24
O 16
O 20
O 12
Q29. Which of the following is a prime number?
O 25
O 21
O 27
O 23
Q30. 16 < x+8 < 26. Which of the following could x be?
O 13
O 8

2318
Q31. 45+3-1 = ?
Q32. $x^6 + x^6 = ?$ x^12 x^36 x^36 x^26 x^36 x^36 x^36 x^36 x^36
Q33. Which of the following fractions cannot be further reduced? O 3/5 O 3/6 O 7/35 O 46/2
Q34. Which of the following numbers has an integer square root? 32 48 40 36

$Q35. \ 5*(7+3)+5-4 = ?$
39325155
Q36. Which of the following is not a factor of 30?
O 4
O 5
O 2 O 3
Q37. $x^6 / x^4 = ?$
O x^24
$\bigcirc x^10$ $\bigcirc x^2(2/3)$
O x^2
Q38. 56/8 = ?
O 8
O 5
○ 7○ 6
Q39. 2^4 - 3^3 = ?
O 11
O -11

O -9				
O 9				
Q40. (18+19+20)	/3 = ?			
O 19				
O 21				
O 18				
O 20				
Q41. Twenty car	not be divided b	y which of th	e following?	
O 2				
O 4				
O 3				
O 5				
Q42. 4+8+12+16	5 = ?			
O 25				
O 20				
O 40				
O 45				
$Q43. (x^5)^3 = ?$	ı			
O 5x^3				
O x^15				
O x^8				
O 3x^5				

Q44. Which of the following is the correct factorization of 36?
O 4 * 3^2
O 2^2 * 9
O 2^2 * 3^2
O 4 * 9
Q45. 3^2*2 = ?
O 24
O 81
O 18
O 42
Q462*(-3-8) = ?
O 14
O 22
O -14
O -22
Q47. Which of the following is an integer multiple of 5?
O 44
O 45
O 46
O 43
$Q48. x^4 = 81. What is x?$
O 6
O 3

) 9) 20.5
249. 76/4 = ?
 18 20 19 17
250. Which of the following is negative?
O (-2)^2 O (-2)^3 O 2^3 O 2^2
emographics
lease answer the personal profile questions below:
lease enter your M-Turk ID.
/hat is your favorite color?
Vhat is your favorite movie?

Do you prefer coffee or tea?
O Coffee
○ Tea
What is your age?
What is your gender?
O Female
Male
What is your race?
O White
O Black or African-American
O American Indian or Alaska Native
AsianNative Hawaiian or Pacific Islander
O Other
What is your ethnicity?
O Hispanic
O Not Hispanic
Please indicate the highest level of education you have completed.
O Less than High School
O High School or equivalent

0	Vocational/Technical School (2 year)
0	Some College
0	College Graduate (4 year)
0	Master's Degree (MS)
0	Doctoral Degree (PhD)
0	Professional Degree (MD, JD, etc.)
0	Other
Are O	you primarily left-handed or right-handed? Left-handed Right-handed
Fina	
The	nk you for your participation. In addition to your base payment, we may nut a small

Thank you for your participation. In addition to your base payment, we may put a small bonus into your account sometime in the next few weeks. Who receives the bonus payment is determined by a different experiment that we are doing and is unrelated to how well you did in the task. Please just think of it as an additional appreciation for your efforts.

Please make sure you hit the Next arrow below to submit this survey and to receive your unique validation code to ensure you receive your payment.

