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My initials:

FIRST	MIDDLE	LAST
A	A	A
B	B	B
C	C	C
D	D	D
E	E	E
F	F	F
G	G	G
H	H	H
I	I	I
J	J	J
K	K	K
L	L	L
M	M	M
N	N	N
O	O	O
P	P	P
Q	Q	Q
R	R	R
S	S	S
T	T	T
U	U	U
V	V	V
W	W	W
X	X	X
Y	Y	Y
Z	Z	Z

I am a:

Girl

Boy

I was born in:

MONTH BORN

January

February

March

April

May

June

July

August

September

October

November

December

Today the date is:

MONTH	DAY	YEAR
<input type="radio"/> January		<input type="radio"/> 2010
<input type="radio"/> February		<input type="radio"/> 2011
<input type="radio"/> March	0	<input type="radio"/> 2012
<input type="radio"/> April	1	<input type="radio"/> 2013
<input type="radio"/> May	2	<input type="radio"/> 2014
<input type="radio"/> June	3	<input type="radio"/> 2015
<input type="radio"/> July		<input type="radio"/> 2016
<input type="radio"/> August		<input type="radio"/> 2017
<input type="radio"/> September		<input type="radio"/> 2018
<input type="radio"/> October		<input type="radio"/> 2019
<input type="radio"/> November		<input type="radio"/> 2020
<input type="radio"/> December		

Marking Instructions

- Use a No. 2 pencil or a blue or black ink pen only.
- Do not use pens with ink that soaks through the paper.
- Make solid marks that fill the response completely.
- Make no stray marks on this form.

CORRECT: ●

INCORRECT: ○ ⊗ ⊖ ⊙

For each question below, fill in the bubble for the **BEST** answer.

Are these things that an engineer would do for his or her job? (YES or NO):

1. Develop better bubble gum	<input type="radio"/> Yes	<input type="radio"/> No
2. Steer ships	<input type="radio"/> Yes	<input type="radio"/> No
3. Install cable television	<input type="radio"/> Yes	<input type="radio"/> No
4. Improve bandages	<input type="radio"/> Yes	<input type="radio"/> No
5. Draw diagrams of new technologies	<input type="radio"/> Yes	<input type="radio"/> No
6. Fix headlights on cars	<input type="radio"/> Yes	<input type="radio"/> No
7. Fly airplanes	<input type="radio"/> Yes	<input type="radio"/> No
8. Nail beams together for new houses	<input type="radio"/> Yes	<input type="radio"/> No
9. Figure out how to package bottles so they don't break	<input type="radio"/> Yes	<input type="radio"/> No
10. Drive trains	<input type="radio"/> Yes	<input type="radio"/> No
11. Come up with ways to keep soup hot for a picnic	<input type="radio"/> Yes	<input type="radio"/> No
12. Develop smaller cell phones	<input type="radio"/> Yes	<input type="radio"/> No
13. Invent warmer kinds of cloth	<input type="radio"/> Yes	<input type="radio"/> No
14. Drive motor boats	<input type="radio"/> Yes	<input type="radio"/> No
15. Operate cranes	<input type="radio"/> Yes	<input type="radio"/> No

PLEASE DO NOT WRITE IN THIS AREA



[SERIAL]

53
 52 Are these things that an engineer would do for his or her job?
 51 (YES or NO):
 50
 49

48	16. Improve camera lenses	<input type="radio"/> Yes	<input type="radio"/> No
47	17. Invent waterproof materials	<input type="radio"/> Yes	<input type="radio"/> No
46	18. Design tools for surgery	<input type="radio"/> Yes	<input type="radio"/> No
45	19. Improve a truck by putting new wheels on it	<input type="radio"/> Yes	<input type="radio"/> No
44	20. Build chimneys out of bricks	<input type="radio"/> Yes	<input type="radio"/> No
43	21. Design ways to clean polluted air	<input type="radio"/> Yes	<input type="radio"/> No
42	22. Drive garbage trucks	<input type="radio"/> Yes	<input type="radio"/> No
41	23. Figure out ways to explore the ocean	<input type="radio"/> Yes	<input type="radio"/> No
40	24. Run machines for doctors and scientists	<input type="radio"/> Yes	<input type="radio"/> No
39	25. Install wiring	<input type="radio"/> Yes	<input type="radio"/> No
38	26. Fix computers	<input type="radio"/> Yes	<input type="radio"/> No
37	27. Think about ways to clean the air	<input type="radio"/> Yes	<input type="radio"/> No
36	28. Figure out what materials to use to make bridges	<input type="radio"/> Yes	<input type="radio"/> No
35	29. Put shelves together in a store	<input type="radio"/> Yes	<input type="radio"/> No
34	30. Design smaller kinds of computers	<input type="radio"/> Yes	<input type="radio"/> No
33	31. Drive racecars on a racetrack	<input type="radio"/> Yes	<input type="radio"/> No
32	32. Pour cement for new roads	<input type="radio"/> Yes	<input type="radio"/> No
31	33. Measure how much weight materials can hold before the break	<input type="radio"/> Yes	<input type="radio"/> No
30	34. Figure out how tall you can safely build towers	<input type="radio"/> Yes	<input type="radio"/> No
29	35. Cut glass to make windows in buildings	<input type="radio"/> Yes	<input type="radio"/> No
28	36. Pack furniture into boxes in a factory	<input type="radio"/> Yes	<input type="radio"/> No
27	37. Repair cars	<input type="radio"/> Yes	<input type="radio"/> No

How important are each of the following activities to the work of an engineer?

	Not Important				Very Important
38. Using math	0	1	2	3	4
39. Driving machines	0	1	2	3	4
40. Using models	0	1	2	3	4
41. Testing ideas	0	1	2	3	4
42. Building houses	0	1	2	3	4
43. Working as a team	0	1	2	3	4
44. Doing experiments	0	1	2	3	4
45. Solving problems	0	1	2	3	4
46. Sketching ideas	0	1	2	3	4
47. Repairing engines	0	1	2	3	4
48. Using their creativity	0	1	2	3	4
49. Understanding science	0	1	2	3	4
50. Reading about inventions	0	1	2	3	4
51. Using power tools to fix things	0	1	2	3	4
52. Using power tools to build things	0	1	2	3	4
53. Writing down their ideas	0	1	2	3	4
54. Fixing broken things for other people	0	1	2	3	4
55. Writing reports for other engineers	0	1	2	3	4
56. Brainstorming different ideas	0	1	2	3	4
57. Driving people from place to place	0	1	2	3	4
58. Telling other people what they find out	0	1	2	3	4

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