

**Determine which number sentence best matches the function machine.****Answers**

1)

in	out
50	41
51	42
42	33
44	35
59	50

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 9$ B. $Q - 9$
C. $Q \times 9$ D. $Q \div 9$

2)

in	out
30	22
52	44
25	17
29	21
43	35

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 8$ B. $Q - 8$
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3)

in	out
25	34
42	51
50	59
36	45
17	26

If each input is 'Q' which rule could the function machine be using?

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4)

in	out
54	40
36	22
50	36
37	23
25	11

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 14$ B. $Q - 14$
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5)

in	out
31	38
35	42
12	19
28	35
50	57

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 7$ B. $Q - 7$
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6)

in	out
49	54
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16	21
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If each input is 'Q' which rule could the function machine be using?

- A. $Q + 5$ B. $Q - 5$
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7)

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8)

in	out
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43	55
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If each input is 'Q' which rule could the function machine be using?

- A. $Q + 12$ B. $Q - 12$
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9)

in	out
25	12
60	47
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1. **B**
2. **B**
3. **A**
4. **B**
5. **A**
6. **A**
7. **B**
8. **A**
9. **B**