

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

1)

in	out
50	36
26	12
59	45
27	13
46	32

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

- A. $Q + 14$ B. $Q - 14$
C. $Q \times 14$ D. $Q \div 14$

2)

in	out
47	35
39	27
53	41
41	29
33	21

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

- A. $Q + 12$ B. $Q - 12$
C. $Q \times 12$ D. $Q \div 12$

3)

in	out
45	55
14	24
21	31
33	43
39	49

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

- A. $Q + 10$ B. $Q - 10$
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4)

in	out
26	33
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40	47
20	27

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

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

in	out
27	15
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31	19
54	42
47	35

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

- A. $Q + 12$ B. $Q - 12$
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6)

in	out
33	42
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15	24
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If each input is 'Q' which rule could the function machine be using?

- A. $Q + 9$ B. $Q - 9$
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7)

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

- A. $Q + 9$ B. $Q - 9$
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8)

in	out
54	40
51	37
24	10
64	50
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If each input is 'Q' which rule could the function machine be using?

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9)

in	out
22	12
49	39
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If each input is 'Q' which rule could the function machine be using?

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1. _____
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1. **B**
2. **B**
3. **A**
4. **A**
5. **B**
6. **A**
7. **B**
8. **B**
9. **B**