

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

1)

in	out
16	24
33	41
47	55
31	39
14	22

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

- A. $Q + 8$ B. $Q - 8$
C. $Q \times 8$ D. $Q \div 8$

2)

in	out
17	32
29	44
36	51
42	57
48	63

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

- A. $Q + 15$ B. $Q - 15$
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3)

in	out
48	39
35	26
22	13
25	16
34	25

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

- A. $Q + 9$ B. $Q - 9$
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4)

in	out
39	51
25	37
31	43
27	39
40	52

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

- A. $Q + 12$ B. $Q - 12$
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5)

in	out
40	47
45	52
33	40
16	23
47	54

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
34	28
25	19
47	41
46	40
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If each input is 'Q' which rule could the function machine be using?

- A. $Q + 6$ B. $Q - 6$
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in	out
55	50
43	38
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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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1. **A**2. **A**3. **B**4. **A**5. **A**6. **B**7. **A**8. **B**9. **B**