



Determine which number sentence best matches the function machine.

Answers

1)

In	Out
69	75
84	90
59	65
45	51
60	66

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

- A. $Q + 6$ B. $Q + 9$
 C. $Q \times 3$ D. $Q - 6$

2)

In	Out
73	78
31	36
25	30
95	100
1	6

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

- A. $Q \div 5$ B. $Q + 10$
 C. $Q + 5$ D. $Q \times 6$

3)

In	Out
66	46
111	91
50	30
95	75
116	96

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

- A. $Q - 10$ B. $Q \div 8$
 C. $Q - 20$ D. $Q \div 20$

4)

In	Out
12	6
14	7
18	9
4	2
16	8

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

- A. $Q - 2$ B. $Q \div 6$
 C. $Q \div 2$ D. $Q - 5$

5)

In	Out
10	13
5	8
58	61
64	67
1	4

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6)

In	Out
9	63
8	56
10	70
5	35
3	21

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

- A. $Q + 8$ B. $Q \times 10$
 C. $Q - 7$ D. $Q \times 7$

7)

In	Out
88	71
36	19
31	14
53	36
41	24

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

- A. $Q \div 17$ B. $Q - 17$
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Answers

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