



Determine which number sentence best matches the function machine.

Answers

1)

In	Out
63	7
90	10
72	8
45	5
81	9

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

- A. $Q - 9$ B. $Q - 8$
 C. $Q \div 9$ D. $Q - 6$

2)

In	Out
89	84
33	28
96	91
102	97
19	14

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

- A. $Q \times 5$ B. $Q + 5$
 C. $Q \div 8$ D. $Q - 5$

3)

In	Out
95	113
43	61
86	104
26	44
70	88

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

- A. $Q - 18$ B. $Q + 18$
 C. $Q \div 18$ D. $Q \times 18$

4)

In	Out
69	68
60	59
68	67
84	83
37	36

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

- A. $Q \div 6$ B. $Q - 8$
 C. $Q - 1$ D. $Q \div 8$

5)

In	Out
7	42
10	60
6	36
9	54
4	24

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

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

6)

In	Out
48	8
30	5
18	3
36	6
60	10

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

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

7)

In	Out
87	105
72	90
50	68
67	85
81	99

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

- A. $Q + 10$ B. $Q + 18$
 C. $Q + 5$ D. $Q - 18$

8)

In	Out
31	51
86	106
1	21
27	47
17	37

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

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

9)

In	Out
7	35
4	20
6	30
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If each input is 'Q' which rule could the function machine be using?

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1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
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Answers

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