

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

1)

In	Out
106	94
33	21
15	3
84	72
25	13

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

- A. $Q - 12$ B. $Q \div 9$
C. $Q - 3$ D. $Q \div 3$

2)

In	Out
2	10
8	40
5	25
4	20
10	50

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

- A. $Q \times 5$ B. $Q + 10$
C. $Q \times 2$ D. $Q + 2$

3)

In	Out
24	43
55	74
11	30
17	36
40	59

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

- A. $Q \div 19$ B. $Q + 19$
C. $Q - 19$ D. $Q \times 2$

4)

In	Out
24	3
56	7
16	2
80	10
40	5

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

- A. $Q \div 6$ B. $Q \times 8$
C. $Q \div 5$ D. $Q \div 8$

5)

In	Out
3	30
6	60
7	70
4	40
2	20

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

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

6)

In	Out
79	59
85	65
89	69
98	78
47	27

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

- A. $Q \div 20$ B. $Q - 8$
C. $Q - 9$ D. $Q - 20$

7)

In	Out
81	100
2	21
97	116
44	63
99	118

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- A. $Q \times 3$ B. $Q + 2$
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In	Out
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If each input is 'Q' which rule could the function machine be using?

- A. $Q \div 2$ B. $Q \div 7$
C. $Q - 2$ D. $Q + 2$

9)

In	Out
2	12
10	60
7	42
6	36
9	54

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

- A. $Q \times 6$ B. $Q \times 6$
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1. _____
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Answers

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