



Determine which number sentence best matches the function machine.

Answers

1)

In	Out
78	98
24	44
60	80
51	71
40	60

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

- A.  $Q + 20$     B.  $Q \div 20$   
 C.  $Q + 6$     D.  $Q \times 7$

2)

In	Out
83	71
102	90
57	45
60	48
63	51

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

- A.  $Q \div 6$     B.  $Q - 7$   
 C.  $Q \div 12$     D.  $Q - 12$

3)

In	Out
48	6
64	8
80	10
24	3
40	5

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

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

4)

In	Out
70	69
21	20
26	25
11	10
29	28

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

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

5)

In	Out
45	5
90	10
81	9
27	3
72	8

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

- A.  $Q \div 9$     B.  $Q \div 2$   
 C.  $Q - 8$     D.  $Q \times 9$

6)

In	Out
5	20
4	16
6	24
10	40
7	28

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

- A.  $Q \times 4$     B.  $Q \times 10$   
 C.  $Q + 7$     D.  $Q \times 4$

7)

In	Out
28	42
24	38
92	106
67	81
48	62

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

- A.  $Q \div 14$     B.  $Q + 5$   
 C.  $Q + 14$     D.  $Q \times 6$

8)

In	Out
5	18
78	91
4	17
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If each input is 'Q' which rule could the function machine be using?

- A.  $Q - 13$     B.  $Q + 13$   
 C.  $Q \times 8$     D.  $Q + 3$

9)

In	Out
10	30
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1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
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Answers

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