



Determine which number sentence best matches the function machine.

Answers

1)

In	Out
81	73
71	63
75	67
63	55
13	5

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

- A.  $Q - 2$     B.  $Q \div 3$   
 C.  $Q + 8$     D.  $Q - 8$

2)

In	Out
99	92
47	40
59	52
8	1
49	42

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

- A.  $Q - 7$     B.  $Q \div 3$   
 C.  $Q \div 4$     D.  $Q + 7$

3)

In	Out
30	15
20	5
34	19
91	76
73	58

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

- A.  $Q \div 15$     B.  $Q \div 7$   
 C.  $Q - 15$     D.  $Q \div 5$

4)

In	Out
51	67
36	52
42	58
18	34
77	93

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

- A.  $Q + 16$     B.  $Q + 3$   
 C.  $Q \times 16$     D.  $Q \times 3$

5)

In	Out
54	70
72	88
1	17
38	54
40	56

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

- A.  $Q - 16$     B.  $Q + 7$   
 C.  $Q \times 16$     D.  $Q + 16$

6)

In	Out
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18	37
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68	87

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

- A.  $Q + 19$     B.  $Q \div 19$   
 C.  $Q \times 6$     D.  $Q + 9$

7)

In	Out
9	72
5	40
8	64
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3	24

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

- A.  $Q \times 8$     B.  $Q \times 6$   
 C.  $Q \times 10$     D.  $Q + 8$

8)

In	Out
32	8
28	7
24	6
8	2
36	9

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

- A.  $Q \times 4$     B.  $Q \div 4$   
 C.  $Q + 4$     D.  $Q - 2$

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3	15
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1. \_\_\_\_\_
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Answers

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