



Determine which number sentence best matches the function machine.

Answers

1) 

In	Out
9	36
3	12
8	32
5	20
6	24

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

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

2) 

In	Out
63	61
10	8
7	5
70	68
71	69

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

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

3) 

In	Out
12	25
18	31
81	94
84	97
22	35

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

- A.  $Q - 13$     B.  $Q \times 2$   
 C.  $Q + 13$     D.  $Q \times 6$

4) 

In	Out
70	66
46	42
18	14
58	54
41	37

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

- A.  $Q - 9$     B.  $Q \div 2$   
 C.  $Q \div 4$     D.  $Q - 4$

5) 

In	Out
25	26
42	43
92	93
18	19
47	48

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

- A.  $Q \times 10$     B.  $Q + 9$   
 C.  $Q + 1$     D.  $Q \div 1$

6) 

In	Out
5	15
10	30
2	6
9	27
3	9

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

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

7) 

In	Out
9	45
4	20
8	40
3	15
6	30

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

- A.  $Q \times 6$     B.  $Q \times 5$   
 C.  $Q \times 10$     D.  $Q + 7$

8) 

In	Out
40	8
35	7
25	5
10	2
30	6

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

- A.  $Q - 5$     B.  $Q \div 5$   
 C.  $Q - 8$     D.  $Q \div 7$

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 C.  $Q \div 9$     D.  $Q \times 9$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
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- A.  $Q - 9$     B.  $Q - 3$   
 C.  $Q \div 9$     D.  $Q \times 9$

Answers

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