Name:

Determine which number sentence best matches the function machine.

1)

In	Out
10	40
2	8
4	16
7	28
8	32

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

A. Q × 4   B. Q + 2

C. Q ÷ 4   D. Q + 6

2)

In	Out
30	3
100	10
50	5
90	9
80	8

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

A. Q × 10   B. Q ÷ 6

C. Q ÷ 10   D. Q ÷ 2

3)

In	Out
98	92
40	34
15	9
32	26
73	67

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

A. Q - 6   B. Q ÷ 9

C. Q ÷ 6   D. Q × 6

4)

In	Out
14	27
72	85
35	48
78	91
21	34

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

A. Q × 7   B. Q + 7

C. Q + 13   D. Q × 13

5)

In	Out
2	16
8	64
10	80
5	40
3	24

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

A. Q × 4   B. Q × 8

C. Q + 7   D. Q × 3

6)

In	Out
50	37
28	15
69	56
109	96
61	48

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

A. Q - 13   B. Q ÷ 3

C. Q ÷ 5   D. Q - 5

7)

In	Out
9	27
7	21
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If each input is 'Q' which rule could the function machine be using?

A. Q + 7   B. Q + 6

C. Q ÷ 3   D. Q × 3

8)

In	Out
62	58
92	88
102	98
66	62
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2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

1-9	89	78	67	56	44	33	22	11	0

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Answers

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73	67

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A. Q - 6   B. Q ÷ 9
C. Q ÷ 6   D. Q × 6

1. _____ **A**

2. _____ **C**

3. _____ **A**

4. _____ **C**

5. _____ **B**

6. _____ **A**

7. _____ **D**

8. _____ **D**

9. _____ **D**

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C. Q - 2   D. Q - 4

9)

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21	7
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If each input is 'Q' which rule could the function machine be using?

A. Q - 3   B. Q - 6
C. Q + 3   D. Q ÷ 3