

Function Machine

Determining Rule

Lesson 1A



Name _____

Directions: Determine which number sentence best matches the function machine. Circle the correct answer. When completed scan in the QR Code to check your answers.

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. $Q \times 4$ B. $Q + 2$
C. $O \div 4$ D. $O + 6$

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. $Q \times 10$ B. $Q - 6$
C. $O \div 10$ D. $O \div 2$

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. $O \div 6$ D. $O \times 6$

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. $Q \times 7$ B. $Q + 7$
C. $Q + 13$ D. $Q \times 13$

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. $Q \times 4$ B. $Q \times 8$
C. $Q + 7$ D. $Q \times 3$

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. $Q \div 3$
C. $Q \div 5$ D. $Q - 5$

7)

In	Out
9	27
7	21
10	30
5	15
3	9

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

- A. $Q + 7$ B. $Q + 6$
C. $Q \div 3$ D. $Q \times 3$

8)

In	Out
62	58
92	88
102	98
66	62
38	34

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

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

9)

In	Out
21	7
30	10
9	3
24	8
15	5

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

- A. $Q - 3$ B. $Q - 6$
C. $Q \div 3$ D. $Q \div 3$