

Finding Rule w/ Two Steps

Name: _____

Determine which rule best represents the expression the function machine used.

Answers

1)	Input (K)	2	9	4	3	5
	Output	11	18	13	12	14

- A. $K \times 10 - 5$ B. $K + 9$
 C. $K \times 9$ D. $K + 5$

2)	Input (L)	6	5	7	2	10
	Output	26	21	31	6	46

- A. $L \times 7 - 4$ B. $L \times 4$
 C. $L \times 5 - 4$ D. $L + 4$

3)	Input (V)	4	10	5	2	3
	Output	28	70	35	14	21

- A. $V \times 7$ B. $V \times 12 + 4$
 C. $V \times 7 - 5$ D. $V + 4$

4)	Input (S)	15	20	17	19	13
	Output	5	10	7	9	3

- A. $S \times 10 + 5$ B. $S \times 10 - 5$
 C. $S - 10$ D. $S \times 12 + 3$

5)	Input (W)	7	2	9	10	8
	Output	23	8	29	32	26

- A. $W \times 3 + 2$ B. $W \times 3$
 C. $W + 3$ D. $W \times 3 + 1$

6)	Input (U)	9	7	6	10	8
	Output	63	49	42	70	56

- A. $U \times 10 - 9$ B. $U + 9$
 C. $U \times 7$ D. $U \times 7 + 11$

7)	Input (G)	8	3	10	2	7
	Output	15	10	17	9	14

- A. $G \times 7 - 1$ B. $G + 2$
 C. $G \times 7 + 3$ D. $G + 7$

8)	Input (P)	16	9	11	15	8
	Output	10	3	5	9	2

- A. $P - 6$ B. $P \times 6 + 1$
 C. $P \times 7 - 2$ D. $P \times 9 + 2$

9)	Input (M)	9	5	8	3	10
	Output	61	33	54	19	68

- A. $M \times 2$ B. $M \times 7$
 C. $M \times 7 - 2$ D. $M \times 7 - 4$

10)	Input (Q)	4	5	3	10	2
	Output	10	11	9	16	8

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

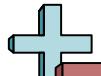
6. _____

7. _____

8. _____

9. _____

10. _____



Finding Rule w/ Two Steps

Name: **Answer Key**

Determine which rule best represents the expression the function machine used.

Input (K)	2	9	4	3	5
Output	11	18	13	12	14

- A. $K \times 10 - 5$ B. $K + 9$
 C. $K \times 9$ D. $K + 5$

Input (L)	6	5	7	2	10
Output	26	21	31	6	46

- A. $L \times 7 - 4$ B. $L \times 4$
 C. $L \times 5 - 4$ D. $L + 4$

Input (V)	4	10	5	2	3
Output	28	70	35	14	21

- A. $V \times 7$ B. $V \times 12 + 4$
 C. $V \times 7 - 5$ D. $V + 4$

Input (S)	15	20	17	19	13
Output	5	10	7	9	3

- A. $S \times 10 + 5$ B. $S \times 10 - 5$
 C. $S - 10$ D. $S \times 12 + 3$

Input (W)	7	2	9	10	8
Output	23	8	29	32	26

- A. $W \times 3 + 2$ B. $W \times 3$
 C. $W + 3$ D. $W \times 3 + 1$

Input (U)	9	7	6	10	8
Output	63	49	42	70	56

- A. $U \times 10 - 9$ B. $U + 9$
 C. $U \times 7$ D. $U \times 7 + 11$

Input (G)	8	3	10	2	7
Output	15	10	17	9	14

- A. $G \times 7 - 1$ B. $G + 2$
 C. $G \times 7 + 3$ D. $G + 7$

Input (P)	16	9	11	15	8
Output	10	3	5	9	2

- A. $P - 6$ B. $P \times 6 + 1$
 C. $P \times 7 - 2$ D. $P \times 9 + 2$

Input (M)	9	5	8	3	10
Output	61	33	54	19	68

- A. $M \times 2$ B. $M \times 7$
 C. $M \times 7 - 2$ D. $M \times 7 - 4$

Input (Q)	4	5	3	10	2
Output	10	11	9	16	8

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

Answers1. **B**2. **C**3. **A**4. **C**5. **A**6. **C**7. **D**8. **A**9. **C**10. **A**