



Finding Rule w/ Two Steps

Name: _____

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

Answers

- 1)

Input (M)	8	9	4	7	3
Output	55	63	23	47	15

 A. $M \times 8 - 9$ B. $M \times 8$
 C. $M \times 9$ D. $M \times 8 + 10$
- 2)

Input (Q)	7	8	4	3	9
Output	34	40	16	10	46

 A. $Q + 8$ B. $Q \times 8 + 8$
 C. $Q \times 6 - 8$ D. $Q \times 8$
- 3)

Input (W)	8	4	7	3	9
Output	14	10	13	9	15

 A. $W \times 10$ B. $W + 6$
 C. $W \times 6 - 11$ D. $W \times 5 - 10$
- 4)

Input (L)	9	8	3	4	7
Output	25	23	13	15	21

 A. $L \times 7$ B. $L \times 2 + 7$
 C. $L \times 7 + 7$ D. $L + 7$
- 5)

Input (S)	3	4	7	8	9
Output	12	14	20	22	24

 A. $S \times 4 + 6$ B. $S \times 2 - 5$
 C. $S \times 2 + 6$ D. $S + 6$
- 6)

Input (J)	9	3	7	4	8
Output	62	26	50	32	56

 A. $J + 8$ B. $J \times 6 - 7$
 C. $J \times 6 + 8$ D. $J + 6$
- 7)

Input (P)	3	8	4	9	7
Output	18	48	24	54	42

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

Input (Z)	3	4	8	9	7
Output	30	40	80	90	70

 A. $Z \times 10$ B. $Z + 10$
 C. $Z \times 12 + 5$ D. $Z \times 10 - 4$
- 9)

Input (G)	10	14	11	15	16
Output	3	7	4	8	9

 A. $G - 7$ B. $G \times 7 + 10$
 C. $G + 7$ D. $G \times 10 + 8$
- 10)

Input (U)	3	9	4	8	7
Output	13	19	14	18	17

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

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____



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Name: **Answer Key**

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 C. $U \times 10 - 8$ D. $U \times 10$

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