



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

Answers

1)

Input (L)	6	5	8	7	2
Output	60	50	80	70	20

- A. $L \times 10$ B. $L \times 9 - 6$
 C. $L + 10$ D. $L \times 10 - 7$

2)

Input (F)	2	7	8	5	6
Output	14	29	32	23	26

- A. $F \times 8$ B. $F + 3$
 C. $F + 8$ D. $F \times 3 + 8$

3)

Input (V)	13	14	15	16	10
Output	5	6	7	8	2

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

4)

Input (K)	7	8	6	5	2
Output	40	47	33	26	5

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

5)

Input (W)	6	8	5	2	7
Output	42	56	35	14	49

- A. $W \times 7$ B. $W \times 12 + 2$
 C. $W + 7$ D. $W \times 10 - 2$

6)

Input (T)	5	2	8	7	6
Output	13	10	16	15	14

- A. $T \times 8 - 5$ B. $T \times 8 + 7$
 C. $T + 8$ D. $T \times 13 + 6$

7)

Input (Z)	12	7	10	11	13
Output	7	2	5	6	8

- A. $Z + 9$ B. $Z - 5$
 C. $Z \times 5 - 8$ D. $Z \times 9$

8)

Input (S)	6	8	7	2	5
Output	44	56	50	20	38

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

9)

Input (N)	7	8	6	5	2
Output	33	39	27	21	3

- A. $N \times 6$ B. $N + 9$
 C. $N \times 6 - 9$ D. $N \times 6 - 12$

10)

Input (P)	2	7	5	8	6
Output	11	26	20	29	23

- A. $P \times 3 - 7$ B. $P \times 3 + 7$
 C. $P \times 3$ D. $P \times 3 + 5$

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



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

Answers

1)

Input (L)	6	5	8	7	2
Output	60	50	80	70	20

- A. $L \times 10$ B. $L \times 9 - 6$
 C. $L + 10$ D. $L \times 10 - 7$

1. **A**

2)

Input (F)	2	7	8	5	6
Output	14	29	32	23	26

- A. $F \times 8$ B. $F + 3$
 C. $F + 8$ D. $F \times 3 + 8$

2. **D**

3)

Input (V)	13	14	15	16	10
Output	5	6	7	8	2

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

3. **C**

4. **D**

4)

Input (K)	7	8	6	5	2
Output	40	47	33	26	5

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

5. **A**

6. **C**

7. **B**

5)

Input (W)	6	8	5	2	7
Output	42	56	35	14	49

- A. $W \times 7$ B. $W \times 12 + 2$
 C. $W + 7$ D. $W \times 10 - 2$

8. **B**

9. **C**

6)

Input (T)	5	2	8	7	6
Output	13	10	16	15	14

- A. $T \times 8 - 5$ B. $T \times 8 + 7$
 C. $T + 8$ D. $T \times 13 + 6$

10. **D**

7)

Input (Z)	12	7	10	11	13
Output	7	2	5	6	8

- A. $Z + 9$ B. $Z - 5$
 C. $Z \times 5 - 8$ D. $Z \times 9$

8)

Input (S)	6	8	7	2	5
Output	44	56	50	20	38

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

9)

Input (N)	7	8	6	5	2
Output	33	39	27	21	3

- A. $N \times 6$ B. $N + 9$
 C. $N \times 6 - 9$ D. $N \times 6 - 12$

10)

Input (P)	2	7	5	8	6
Output	11	26	20	29	23

- A. $P \times 3 - 7$ B. $P \times 3 + 7$
 C. $P \times 3$ D. $P \times 3 + 5$