



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

Answers

1)

Input (V)	3	5	2	9	7
Output	11	13	10	17	15

- A. $V + 10$ B. $V + 8$
 C. $V \times 8 + 12$ D. $V \times 10 - 10$

2)

Input (G)	7	2	9	5	3
Output	28	13	34	22	16

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

3)

Input (M)	9	3	2	5	7
Output	45	15	10	25	35

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

4)

Input (F)	3	2	9	7	5
Output	12	5	54	40	26

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

5)

Input (K)	5	7	3	2	9
Output	13	15	11	10	17

- A. $K \times 8 + 5$ B. $K + 8$
 C. $K \times 4$ D. $K \times 8$

6)

Input (W)	7	9	5	2	3
Output	63	81	45	18	27

- A. $W \times 12 - 5$ B. $W + 5$
 C. $W \times 9 + 8$ D. $W \times 9$

7)

Input (L)	7	3	9	2	5
Output	35	11	47	5	23

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

8)

Input (T)	11	17	13	15	10
Output	3	9	5	7	2

- A. $T - 8$ B. $T + 7$
 C. $T \times 12 + 7$ D. $T \times 7 - 7$

9)

Input (P)	2	3	9	7	5
Output	28	37	91	73	55

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

10)

Input (Y)	5	9	7	2	3
Output	44	72	58	23	30

- A. $Y \times 7 + 10$ B. $Y \times 7 + 9$
 C. $Y \times 9 + 9$ D. $Y \times 8 - 9$

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



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Answers

1)

Input (V)	3	5	2	9	7
Output	11	13	10	17	15

A. $V + 10$
B. $V + 8$
C. $V \times 8 + 12$
D. $V \times 10 - 10$

1. **B**

2)

Input (G)	7	2	9	5	3
Output	28	13	34	22	16

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

2. **B**

3)

Input (M)	9	3	2	5	7
Output	45	15	10	25	35

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

3. **B**

4)

Input (F)	3	2	9	7	5
Output	12	5	54	40	26

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

4. **B**

5)

Input (K)	5	7	3	2	9
Output	13	15	11	10	17

A. $K \times 8 + 5$
B. $K + 8$
C. $K \times 4$
D. $K \times 8$

5. **B**

6)

Input (W)	7	9	5	2	3
Output	63	81	45	18	27

A. $W \times 12 - 5$
B. $W + 5$
C. $W \times 9 + 8$
D. $W \times 9$

6. **D**

7)

Input (L)	7	3	9	2	5
Output	35	11	47	5	23

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

7. **A**

8)

Input (T)	11	17	13	15	10
Output	3	9	5	7	2

A. $T - 8$
B. $T + 7$
C. $T \times 12 + 7$
D. $T \times 7 - 7$

8. **A**

9)

Input (P)	2	3	9	7	5
Output	28	37	91	73	55

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

9. **C**

10)

Input (Y)	5	9	7	2	3
Output	44	72	58	23	30

A. $Y \times 7 + 10$
B. $Y \times 7 + 9$
C. $Y \times 9 + 9$
D. $Y \times 8 - 9$

10. **B**