



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

Answers

1)

Input (H)	7	10	4	6	9
Output	16	19	13	15	18

- A. $H \times 2$ B. $H + 9$
 C. $H \times 9 - 1$ D. $H \times 11 - 2$

2)

Input (L)	6	10	9	7	4
Output	46	70	64	52	34

- A. $L \times 10$ B. $L \times 5 - 10$
 C. $L \times 6 + 10$ D. $L + 10$

3)

Input (G)	9	10	7	4	6
Output	88	98	68	38	58

- A. $G \times 10 - 2$ B. $G + 10$
 C. $G \times 13 + 2$ D. $G \times 11 - 2$

4)

Input (Q)	14	18	12	17	15
Output	6	10	4	9	7

- A. $Q \times 11 - 10$ B. $Q \times 10$
 C. $Q - 8$ D. $Q \times 10 + 10$

5)

Input (F)	7	4	10	6	9
Output	17	14	20	16	19

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

6)

Input (N)	20	17	14	19	16
Output	10	7	4	9	6

- A. $N + 2$ B. $N - 10$
 C. $N + 10$ D. $N \times 10 + 4$

7)

Input (U)	4	6	7	10	9
Output	25	33	37	49	45

- A. $U \times 4 + 10$ B. $U + 4$
 C. $U \times 9 + 9$ D. $U \times 4 + 9$

8)

Input (M)	10	9	4	7	6
Output	40	35	10	25	20

- A. $M + 10$ B. $M \times 10 + 10$
 C. $M \times 5 - 10$ D. $M \times 6 - 10$

9)

Input (J)	7	9	4	6	10
Output	58	72	37	51	79

- A. $J \times 7 + 12$ B. $J \times 7 + 9$
 C. $J + 9$ D. $J + 7$

10)

Input (P)	9	4	6	7	10
Output	63	28	42	49	70

- A. $P \times 7 - 9$ B. $P \times 7$
 C. $P + 8$ D. $P \times 11 + 8$

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



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Answers

1)

Input (H)	7	10	4	6	9
Output	16	19	13	15	18

- A. $H \times 2$ B. $H + 9$
 C. $H \times 9 - 1$ D. $H \times 11 - 2$

1. **B**

2)

Input (L)	6	10	9	7	4
Output	46	70	64	52	34

- A. $L \times 10$ B. $L \times 5 - 10$
 C. $L \times 6 + 10$ D. $L + 10$

2. **C**

3)

Input (G)	9	10	7	4	6
Output	88	98	68	38	58

- A. $G \times 10 - 2$ B. $G + 10$
 C. $G \times 13 + 2$ D. $G \times 11 - 2$

3. **A**

4)

Input (Q)	14	18	12	17	15
Output	6	10	4	9	7

- A. $Q \times 11 - 10$ B. $Q \times 10$
 C. $Q - 8$ D. $Q \times 10 + 10$

4. **C**

5)

Input (F)	7	4	10	6	9
Output	17	14	20	16	19

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

5. **A**

6)

Input (N)	20	17	14	19	16
Output	10	7	4	9	6

- A. $N + 2$ B. $N - 10$
 C. $N + 10$ D. $N \times 10 + 4$

6. **B**

7)

Input (U)	4	6	7	10	9
Output	25	33	37	49	45

- A. $U \times 4 + 10$ B. $U + 4$
 C. $U \times 9 + 9$ D. $U \times 4 + 9$

7. **D**

8)

Input (M)	10	9	4	7	6
Output	40	35	10	25	20

- A. $M + 10$ B. $M \times 10 + 10$
 C. $M \times 5 - 10$ D. $M \times 6 - 10$

8. **C**

9)

Input (J)	7	9	4	6	10
Output	58	72	37	51	79

- A. $J \times 7 + 12$ B. $J \times 7 + 9$
 C. $J + 9$ D. $J + 7$

9. **B**

10)

Input (P)	9	4	6	7	10
Output	63	28	42	49	70

- A. $P \times 7 - 9$ B. $P \times 7$
 C. $P + 8$ D. $P \times 11 + 8$

10. **B**