



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

Answers

1)

Input (G)	8	7	3	9	4
Output	25	23	15	27	17

- A. $G \times 2 + 9$ B. $G \times 9$
 C. $G \times 2 + 12$ D. $G \times 2$

2)

Input (F)	9	7	4	3	8
Output	11	9	6	5	10

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

3)

Input (J)	3	8	4	9	7
Output	10	20	12	22	18

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

4)

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

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

5)

Input (V)	7	9	3	8	4
Output	23	27	15	25	17

- A. $V \times 9$ B. $V \times 3 - 9$
 C. $V \times 2 + 9$ D. $V + 2$

6)

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

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

7)

Input (T)	3	8	4	9	7
Output	5	10	6	11	9

- A. $T \times 5 - 9$ B. $T + 2$
 C. $T \times 5 + 9$ D. $T \times 9$

8)

Input (Q)	4	3	9	7	8
Output	11	6	36	26	31

- A. $Q \times 9$ B. $Q \times 6 - 9$
 C. $Q \times 5 - 10$ D. $Q \times 5 - 9$

9)

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

- A. $M \times 12 - 7$ B. $M \times 10$
 C. $M \times 10 - 8$ D. $M + 10$

10)

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

- A. $H \times 9$ B. $H - 10$
 C. $H + 9$ D. $H \times 12 - 9$

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



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

Answers

1) Input (G)	8	7	3	9	4
Output	25	23	15	27	17

- A. $G \times 2 + 9$ B. $G \times 9$
 C. $G \times 2 + 12$ D. $G \times 2$

1. **A**

2) Input (F)	9	7	4	3	8
Output	11	9	6	5	10

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

2. **B**

3) Input (J)	3	8	4	9	7
Output	10	20	12	22	18

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

3. **D**

4. **C**

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

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

5. **C**

6. **B**

5) Input (V)	7	9	3	8	4
Output	23	27	15	25	17

- A. $V \times 9$ B. $V \times 3 - 9$
 C. $V \times 2 + 9$ D. $V + 2$

7. **B**

8. **D**

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

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

9. **B**

10. **B**

7) Input (T)	3	8	4	9	7
Output	5	10	6	11	9

- A. $T \times 5 - 9$ B. $T + 2$
 C. $T \times 5 + 9$ D. $T \times 9$

8) Input (Q)	4	3	9	7	8
Output	11	6	36	26	31

- A. $Q \times 9$ B. $Q \times 6 - 9$
 C. $Q \times 5 - 10$ D. $Q \times 5 - 9$

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

- A. $M \times 12 - 7$ B. $M \times 10$
 C. $M \times 10 - 8$ D. $M + 10$

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

- A. $H \times 9$ B. $H - 10$
 C. $H + 9$ D. $H \times 12 - 9$