



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

Answers

1)

Input (J)	6	7	5	10	8
Output	8	9	7	12	10

- A. $J \times 2 - 5$ B. $J \times 6$
 C. $J \times 6 + 6$ D. $J + 2$

1. _____

2)

Input (U)	13	15	10	12	11
Output	8	10	5	7	6

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

2. _____

3)

Input (W)	5	6	10	8	7
Output	29	33	49	41	37

- A. $W \times 4$ B. $W \times 4 + 9$
 C. $W \times 9$ D. $W \times 4 + 11$

3. _____

4)

Input (N)	5	6	8	7	10
Output	40	48	64	56	80

- A. $N \times 11 - 3$ B. $N \times 8 - 5$
 C. $N + 3$ D. $N \times 8$

4. _____

5)

Input (P)	8	10	7	6	5
Output	11	13	10	9	8

- A. $P + 3$ B. $P \times 3 + 11$
 C. $P \times 3 - 10$ D. $P + 9$

5. _____

6)

Input (V)	7	10	8	6	5
Output	35	53	41	29	23

- A. $V + 6$ B. $V + 7$
 C. $V \times 5 - 7$ D. $V \times 6 - 7$

6. _____

7)

Input (Z)	5	8	7	10	6
Output	22	40	34	52	28

- A. $Z \times 6$ B. $Z \times 8 + 8$
 C. $Z \times 6 - 8$ D. $Z \times 6 - 9$

7. _____

8)

Input (K)	10	8	5	6	7
Output	38	32	23	26	29

- A. $K \times 3$ B. $K \times 3 + 8$
 C. $K \times 8 + 8$ D. $K \times 3 + 11$

8. _____

9)

Input (G)	5	10	6	7	8
Output	14	24	16	18	20

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

9. _____

10)

Input (F)	6	8	7	5	10
Output	30	40	35	25	50

- A. $F \times 9 + 4$ B. $F \times 5 + 7$
 C. $F \times 5$ D. $F \times 5 - 6$

10. _____



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 C. $J \times 6 + 6$ D. $J + 2$

1. **D**

2) Input (U)	13	15	10	12	11
Output	8	10	5	7	6

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

2. **B**

3) Input (W)	5	6	10	8	7
Output	29	33	49	41	37

- A. $W \times 4$ B. $W \times 4 + 9$
 C. $W \times 9$ D. $W \times 4 + 11$

3. **B**

4. **D**

4) Input (N)	5	6	8	7	10
Output	40	48	64	56	80

- A. $N \times 11 - 3$ B. $N \times 8 - 5$
 C. $N + 3$ D. $N \times 8$

5. **A**

6. **D**

7. **C**

5) Input (P)	8	10	7	6	5
Output	11	13	10	9	8

- A. $P + 3$ B. $P \times 3 + 11$
 C. $P \times 3 - 10$ D. $P + 9$

8. **B**

9. **D**

10. **C**

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Output	35	53	41	29	23

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 C. $V \times 5 - 7$ D. $V \times 6 - 7$

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Output	30	40	35	25	50

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 C. $F \times 5$ D. $F \times 5 - 6$