



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

Answers

1)

Input (K)	3	8	7	9	6
Output	34	74	66	82	58

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

1. _____

2)

Input (S)	6	4	8	3	7
Output	51	33	69	24	60

A. $S \times 9 - 3$
B. $S \times 9 + 2$
C. $S \times 9 - 6$
D. $S + 3$

2. _____

3)

Input (U)	17	15	19	14	11
Output	8	6	10	5	2

A. $U \times 14 + 5$
B. $U \times 5$
C. $U - 9$
D. $U \times 9 + 8$

3. _____

4)

Input (H)	18	12	10	15	14
Output	10	4	2	7	6

A. $H \times 5$
B. $H \times 7 - 5$
C. $H \times 8 - 8$
D. $H - 8$

4. _____

5)

Input (Z)	2	7	8	10	3
Output	19	49	55	67	25

A. $Z + 7$
B. $Z \times 6$
C. $Z \times 8 + 7$
D. $Z \times 6 + 7$

5. _____

6)

Input (G)	10	7	3	8	2
Output	40	28	12	32	8

A. $G \times 4$
B. $G + 6$
C. $G \times 4 + 8$
D. $G + 4$

6. _____

7)

Input (T)	4	3	2	6	8
Output	21	15	9	33	45

A. $T \times 3$
B. $T \times 6 - 3$
C. $T \times 6 + 5$
D. $T \times 6$

7. _____

8)

Input (R)	6	2	8	3	7
Output	53	13	73	23	63

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

8. _____

9)

Input (W)	10	2	7	4	6
Output	49	17	37	25	33

A. $W \times 5 - 9$
B. $W + 4$
C. $W \times 4 + 9$
D. $W \times 9$

9. _____

10)

Input (Q)	5	7	2	6	10
Output	45	63	18	54	90

A. $Q \times 14 + 5$
B. $Q \times 9$
C. $Q \times 9 - 4$
D. $Q + 9$

10. _____



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

Answers

Input (K)	3	8	7	9	6
Output	34	74	66	82	58

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

1. **D**

Input (S)	6	4	8	3	7
Output	51	33	69	24	60

A. $S \times 9 - 3$	B. $S \times 9 + 2$
C. $S \times 9 - 6$	D. $S + 3$

2. **A**

Input (U)	17	15	19	14	11
Output	8	6	10	5	2

A. $U \times 14 + 5$	B. $U \times 5$
C. $U - 9$	D. $U \times 9 + 8$

3. **C**

Input (H)	18	12	10	15	14
Output	10	4	2	7	6

A. $H \times 5$	B. $H \times 7 - 5$
C. $H \times 8 - 8$	D. $H - 8$

4. **D**

Input (Z)	2	7	8	10	3
Output	19	49	55	67	25

A. $Z + 7$	B. $Z \times 6$
C. $Z \times 8 + 7$	D. $Z \times 6 + 7$

5. **D**

Input (G)	10	7	3	8	2
Output	40	28	12	32	8

A. $G \times 4$	B. $G + 6$
C. $G \times 4 + 8$	D. $G + 4$

6. **A**

Input (T)	4	3	2	6	8
Output	21	15	9	33	45

A. $T \times 3$	B. $T \times 6 - 3$
C. $T \times 6 + 5$	D. $T \times 6$

7. **B**

Input (R)	6	2	8	3	7
Output	53	13	73	23	63

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

8. **B**

Input (W)	10	2	7	4	6
Output	49	17	37	25	33

A. $W \times 5 - 9$	B. $W + 4$
C. $W \times 4 + 9$	D. $W \times 9$

9. **C**

Input (Q)	5	7	2	6	10
Output	45	63	18	54	90

A. $Q \times 14 + 5$	B. $Q \times 9$
C. $Q \times 9 - 4$	D. $Q + 9$

10. **B**