



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

Answers

1)

Input (L)	8	7	10	6	2
Output	54	46	70	38	6

A. $L \times 8 + 9$

B. $L \times 8 - 13$

C. $L \times 8 - 10$

D. $L \times 10 + 10$

1. _____

2)

Input (V)	14	10	16	15	18
Output	6	2	8	7	10

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

2. _____

3)

Input (Z)	7	2	6	8	10
Output	57	22	50	64	78

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

3. _____

4)

Input (G)	7	6	10	2	8
Output	24	22	30	14	26

A. $G + 2$

B. $G \times 2 + 9$

C. $G \times 2 + 10$

D. $G \times 2$

4. _____

5)

Input (N)	10	8	2	7	6
Output	100	80	20	70	60

A. $N + 4$

B. $N + 10$

C. $N \times 12 - 4$

D. $N \times 10$

5. _____

6)

Input (Q)	10	7	2	6	8
Output	19	16	11	15	17

A. $Q \times 12 - 7$

B. $Q \times 9 + 8$

C. $Q + 9$

D. $Q \times 7$

6. _____

7)

Input (W)	8	7	6	2	10
Output	89	79	69	29	109

A. $W + 9$

B. $W + 10$

C. $W \times 10 + 12$

D. $W \times 10 + 9$

7. _____

8)

Input (P)	6	2	10	7	8
Output	32	4	60	39	46

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

8. _____

9)

Input (K)	10	6	7	2	8
Output	20	16	17	12	18

 A. $K + 10$ B. $K + 5$
C. $K \times 12 - 5$ D. $K \times 14 + 5$

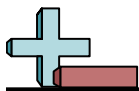
9. _____

10)

Input (R)	8	7	2	6	10
Output	56	49	14	42	70

 A. $R \times 7$ B. $R \times 9 + 3$
C. $R \times 7 + 2$ D. $R + 3$

10. _____



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

Answers

1)	Input (L)	8	7	10	6	2	A. $L \times 8 + 9$	B. $L \times 8 - 13$
	Output	54	46	70	38	6	C. $L \times 8 - 10$	D. $L \times 10 + 10$

1. **C**

2)	Input (V)	14	10	16	15	18	A. $V - 8$	B. $V + 8$
	Output	6	2	8	7	10	C. $V + 7$	D. $V \times 8 + 10$

2. **A**3. **B**

3)	Input (Z)	7	2	6	8	10	A. $Z \times 7 - 9$	B. $Z \times 7 + 8$
	Output	57	22	50	64	78	C. $Z + 7$	D. $Z \times 10 - 8$

4. **C**5. **D**

4)	Input (G)	7	6	10	2	8	A. $G + 2$	B. $G \times 2 + 9$
	Output	24	22	30	14	26	C. $G \times 2 + 10$	D. $G \times 2$

6. **C**7. **D**

5)	Input (N)	10	8	2	7	6	A. $N + 4$	B. $N + 10$
	Output	100	80	20	70	60	C. $N \times 12 - 4$	D. $N \times 10$

8. **A**9. **A**

6)	Input (Q)	10	7	2	6	8	A. $Q \times 12 - 7$	B. $Q \times 9 + 8$
	Output	19	16	11	15	17	C. $Q + 9$	D. $Q \times 7$

10. **A**

7)	Input (W)	8	7	6	2	10	A. $W + 9$	B. $W + 10$
	Output	89	79	69	29	109	C. $W \times 10 + 12$	D. $W \times 10 + 9$

8)	Input (P)	6	2	10	7	8	A. $P \times 7 - 10$	B. $P \times 10$
	Output	32	4	60	39	46	C. $P + 7$	D. $P \times 6 - 10$

9)	Input (K)	10	6	7	2	8	A. $K + 10$	B. $K + 5$
	Output	20	16	17	12	18	C. $K \times 12 - 5$	D. $K \times 14 + 5$

10)	Input (R)	8	7	2	6	10	A. $R \times 7$	B. $R \times 9 + 3$
	Output	56	49	14	42	70	C. $R \times 7 + 2$	D. $R + 3$