



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

Answers

1)

Input (S)	9	4	6	3	10
Output	91	46	64	37	100

A. $S \times 13 + 10$
B. $S \times 9 + 10$
C. $S + 10$
D. $S \times 10$

1. _____

2)

Input (Q)	3	9	10	4	6
Output	11	53	60	18	32

A. $Q \times 7 - 10$
B. $Q \times 8 - 10$
C. $Q \times 7 - 13$
D. $Q + 7$

2. _____

3)

Input (P)	6	4	3	10	9
Output	18	12	9	30	27

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

3. _____

4)

Input (Y)	9	6	4	3	10
Output	88	58	38	28	98

A. $Y \times 10 - 2$
B. $Y + 2$
C. $Y \times 13 - 2$
D. $Y \times 10 + 3$

4. _____

5)

Input (N)	6	10	4	3	9
Output	21	29	17	15	27

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

5. _____

6)

Input (V)	6	9	10	3	4
Output	8	11	12	5	6

A. $V \times 2 - 9$
B. $V \times 7$
C. $V + 2$
D. $V \times 2$

6. _____

7)

Input (L)	10	12	15	9	16
Output	4	6	9	3	10

A. $L - 6$
B. $L \times 6 - 11$
C. $L \times 10 + 10$
D. $L \times 10$

7. _____

8)

Input (T)	9	10	3	4	6
Output	90	100	30	40	60

A. $T \times 10 + 8$
B. $T \times 10$
C. $T \times 10 - 6$
D. $T + 10$

8. _____

9)

Input (M)	4	3	6	10	9
Output	17	15	21	29	27

A. $M + 9$
B. $M \times 4 - 9$
C. $M \times 2 + 9$
D. $M \times 6 + 9$

9. _____

10)

Input (F)	11	14	12	17	18
Output	3	6	4	9	10

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

10. _____



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

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1) Input (S)	9	4	6	3	10
Output	91	46	64	37	100

- A. $S \times 13 + 10$ B. $S \times 9 + 10$
 C. $S + 10$ D. $S \times 10$

1. **B**

2) Input (Q)	3	9	10	4	6
Output	11	53	60	18	32

- A. $Q \times 7 - 10$ B. $Q \times 8 - 10$
 C. $Q \times 7 - 13$ D. $Q + 7$

2. **A**

3) Input (P)	6	4	3	10	9
Output	18	12	9	30	27

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

3. **A**

4. **A**

5. **B**

4) Input (Y)	9	6	4	3	10
Output	88	58	38	28	98

- A. $Y \times 10 - 2$ B. $Y + 2$
 C. $Y \times 13 - 2$ D. $Y \times 10 + 3$

6. **C**

7. **A**

8. **B**

5) Input (N)	6	10	4	3	9
Output	21	29	17	15	27

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

9. **C**

10. **A**

6) Input (V)	6	9	10	3	4
Output	8	11	12	5	6

- A. $V \times 2 - 9$ B. $V \times 7$
 C. $V + 2$ D. $V \times 2$

7) Input (L)	10	12	15	9	16
Output	4	6	9	3	10

- A. $L - 6$ B. $L \times 6 - 11$
 C. $L \times 10 + 10$ D. $L \times 10$

8) Input (T)	9	10	3	4	6
Output	90	100	30	40	60

- A. $T \times 10 + 8$ B. $T \times 10$
 C. $T \times 10 - 6$ D. $T + 10$

9) Input (M)	4	3	6	10	9
Output	17	15	21	29	27

- A. $M + 9$ B. $M \times 4 - 9$
 C. $M \times 2 + 9$ D. $M \times 6 + 9$

10) Input (F)	11	14	12	17	18
Output	3	6	4	9	10

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