



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

Answers

1)

Input	3	4	8	5	10
Output	5	6	10	7	12

A. $W \times 6$

B. $W + 2$

C. $W \times 2 + 8$

D. $W \times 7 + 6$

2)

Input	5	8	3	10	4
Output	48	78	28	98	38

A. $L \times 13 - 2$

B. $L \times 10 + 1$

C. $L \times 13 + 2$

D. $L \times 10 - 2$

3)

Input	18	15	13	14	20
Output	8	5	3	4	10

A. $F \times 10 - 10$

B. $F + 9$

C. $F - 10$

D. $F \times 12 + 9$

4)

Input	11	10	16	14	9
Output	5	4	10	8	3

A. $Y \times 8 + 7$

B. $Y + 7$

C. $Y - 6$

D. $Y \times 5 - 7$

5)

Input	4	5	8	3	10
Output	14	20	38	8	50

A. $S \times 6 - 10$

B. $S \times 10$

C. $S + 10$

D. $S \times 6 - 9$

6)

Input	10	4	5	8	3
Output	109	49	59	89	39

A. $H \times 14 + 9$

B. $H \times 10 + 9$

C. $H \times 10 - 10$

D. $H \times 10 + 10$

7)

Input	3	10	5	8	4
Output	20	48	28	40	24

A. $G \times 4$

B. $G + 4$

C. $G \times 4 + 8$

D. $G \times 4 - 7$

8)

Input	5	8	4	3	10
Output	40	58	34	28	70

A. $N + 6$

B. $N \times 10 + 10$

C. $N \times 10$

D. $N \times 6 + 10$

9)

Input	5	10	3	8	4
Output	50	100	30	80	40

A. $U \times 4$

B. $U \times 10$

C. $U \times 10 - 3$

D. $U + 4$

10)

Input	5	3	8	4	10
Output	30	18	48	24	60

A. $P \times 6 + 5$

B. $P \times 6$

C. $P \times 6 - 7$

D. $P + 6$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



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D. $W \times 7 + 6$

1. **B**

2)	Input	5	8	3	10	4
	Output	48	78	28	98	38

A. $L \times 13 - 2$

B. $L \times 10 + 1$

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2. **D**3. **C**4. **C**

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	Output	8	5	3	4	10

A. $F \times 10 - 10$

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5. **A**6. **B**

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	Output	5	4	10	8	3

A. $Y \times 8 + 7$

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C. $Y - 6$

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7. **C**8. **D**

5)	Input	4	5	8	3	10
	Output	14	20	38	8	50

A. $S \times 6 - 10$

B. $S \times 10$

C. $S + 10$

D. $S \times 6 - 9$

9. **B**10. **B**

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	Output	109	49	59	89	39

A. $H \times 14 + 9$

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7)	Input	3	10	5	8	4
	Output	20	48	28	40	24

A. $G \times 4$

B. $G + 4$

C. $G \times 4 + 8$

D. $G \times 4 - 7$

8)	Input	5	8	4	3	10
	Output	40	58	34	28	70

A. $N + 6$

B. $N \times 10 + 10$

C. $N \times 10$

D. $N \times 6 + 10$

9)	Input	5	10	3	8	4
	Output	50	100	30	80	40

A. $U \times 4$

B. $U \times 10$

C. $U \times 10 - 3$

D. $U + 4$

10)	Input	5	3	8	4	10
	Output	30	18	48	24	60

A. $P \times 6 + 5$

B. $P \times 6$

C. $P \times 6 - 7$

D. $P + 6$