



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

Answers

1)

Input	3	5	2	7	8
Output	10	12	9	14	15

A. $Q \times 11 + 6$

B. $Q \times 7 + 9$

C. $Q \times 10 - 6$

D. $Q + 7$

1. _____

2)

Input	3	5	2	7	8
Output	15	21	12	27	30

A. $Z \times 3 - 8$

B. $Z \times 3 + 6$

C. $Z \times 3$

D. $Z \times 3 + 9$

2. _____

3. _____

3)

Input	5	8	7	3	2
Output	27	48	41	13	6

A. $Y \times 7 - 7$

B. $Y + 8$

C. $Y \times 7 - 8$

D. $Y \times 8$

4. _____

5. _____

4)

Input	3	5	2	7	8
Output	5	15	0	25	30

A. $H \times 5$

B. $H \times 5 - 9$

C. $H + 5$

D. $H \times 5 - 10$

6. _____

7. _____

5)

Input	3	7	2	8	5
Output	8	12	7	13	10

A. $N + 3$

B. $N \times 7 - 3$

C. $N \times 3$

D. $N + 5$

8. _____

9. _____

10. _____

6)

Input	2	8	5	3	7
Output	19	49	34	24	44

A. $J \times 5 + 10$

B. $J \times 5 + 9$

C. $J \times 5 - 8$

D. $J + 5$

7)

Input	3	7	5	8	2
Output	12	28	20	32	8

A. $W \times 4$

B. $W \times 4 + 8$

C. $W \times 6 + 5$

D. $W + 5$

8)

Input	11	9	13	14	8
Output	5	3	7	8	2

A. $P \times 9$

B. $P \times 9 + 9$

C. $P \times 6 - 12$

D. $P - 6$

9)

Input	7	2	3	8	5
Output	14	4	6	16	10

A. $F \times 2 - 9$

B. $F \times 2$

C. $F \times 1 - 8$

D. $F + 2$

10)

Input	2	3	5	8	7
Output	15	18	24	33	30

A. $M \times 3 + 9$

B. $M \times 3 + 10$

C. $M + 3$

D. $M \times 9$



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1)	Input	3	5	2	7	8
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1. **D**

2)	Input	3	5	2	7	8
	Output	15	21	12	27	30

A. $Z \times 3 - 8$

B. $Z \times 3 + 6$

C. $Z \times 3$

D. $Z \times 3 + 9$

2. **B**3. **C**

3)	Input	5	8	7	3	2
	Output	27	48	41	13	6

A. $Y \times 7 - 7$

B. $Y + 8$

C. $Y \times 7 - 8$

D. $Y \times 8$

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

4)	Input	3	5	2	7	8
	Output	5	15	0	25	30

A. $H \times 5$

B. $H \times 5 - 9$

C. $H + 5$

D. $H \times 5 - 10$

6. **B**7. **A**

5)	Input	3	7	2	8	5
	Output	8	12	7	13	10

A. $N + 3$

B. $N \times 7 - 3$

C. $N \times 3$

D. $N + 5$

8. **D**9. **B**10. **A**

6)	Input	2	8	5	3	7
	Output	19	49	34	24	44

A. $J \times 5 + 10$

B. $J \times 5 + 9$

C. $J \times 5 - 8$

D. $J + 5$

7)	Input	3	7	5	8	2
	Output	12	28	20	32	8

A. $W \times 4$

B. $W \times 4 + 8$

C. $W \times 6 + 5$

D. $W + 5$

8)	Input	11	9	13	14	8
	Output	5	3	7	8	2

A. $P \times 9$

B. $P \times 9 + 9$

C. $P \times 6 - 12$

D. $P - 6$

9)	Input	7	2	3	8	5
	Output	14	4	6	16	10

A. $F \times 2 - 9$

B. $F \times 2$

C. $F \times 1 - 8$

D. $F + 2$

10)	Input	2	3	5	8	7
	Output	15	18	24	33	30

A. $M \times 3 + 9$

B. $M \times 3 + 10$

C. $M + 3$

D. $M \times 9$