Finding Rule w/ Two Steps Name:

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

1)

Input (W)	3	5	6	9	7
Output	32	52	62	92	72

A. W × 10 + 2 B. W × 10
C. W × 13 + 2 D. W × 10 + 3

2)

Input (S)	7	9	5	3	6
Output	66	82	50	34	58

A. S × 10 B. S × 8 + 10
C. S × 10 + 10 D. S × 8 - 12

3)

Input (N)	9	5	6	7	3
Output	18	10	12	14	6

A. N + 2 B. N × 5
C. N + 5 D. N × 2

4)

Input (P)	7	9	6	3	5
Output	14	18	12	6	10

A. P × 4 - 7 B. P × 2
C. P × 2 - 10 D. P + 7

5)

Input (R)	7	9	6	5	3
Output	68	88	58	48	28

A. R × 10 - 5 B. R × 10
C. R × 10 - 2 D. R + 10

6)

Input (M)	6	9	3	5	7
Output	58	88	28	48	68

A. M + 10 B. M × 14 + 2
C. M + 2 D. M × 10 - 2

7)

Input (K)	12	8	10	14	11
Output	7	3	5	9	6

A. K - 5 B. K × 5 + 10
C. K × 8 + 8 D. K × 5

8)

Input (Q)	9	6	3	5	7
Output	92	62	32	52	72

A. Q × 10 B. Q × 10 + 2
C. Q × 10 + 3 D. Q + 2

9)

Input (T)	16	15	13	19	17
Output	6	5	3	9	7

A. T × 10 B. T - 10
C. T × 2 D. T + 2

10)

Input (V)	7	5	9	6	3
Output	9	7	11	8	5

A. V + 10 B. V + 2
C. V × 2 + 13 D. V × 1 - 10

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Finding Rule w/ Two Steps Name: **Answer Key**

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

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Output	66	82	50	34	58

A. S × 10 B. S × 8 + 10
C. S × 10 + 10 D. S × 8 - 12

3)

Input (N)	9	5	6	7	3
Output	18	10	12	14	6

A. N + 2 B. N × 5
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Input (P)	7	9	6	3	5
Output	14	18	12	6	10

A. P × 4 - 7 B. P × 2
C. P × 2 - 10 D. P + 7

5)

Input (R)	7	9	6	5	3
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A. R × 10 - 5 B. R × 10
C. R × 10 - 2 D. R + 10

6)

Input (M)	6	9	3	5	7
Output	58	88	28	48	68

A. M + 10 B. M × 14 + 2
C. M + 2 D. M × 10 - 2

7)

Input (K)	12	8	10	14	11
Output	7	3	5	9	6

A. K - 5 B. K × 5 + 10
C. K × 8 + 8 D. K × 5

8)

Input (Q)	9	6	3	5	7
Output	92	62	32	52	72

A. Q × 10 B. Q × 10 + 2
C. Q × 10 + 3 D. Q + 2

9)

Input (T)	16	15	13	19	17
Output	6	5	3	9	7

A. T × 10 B. T - 10
C. T × 2 D. T + 2

10)

Input (V)	7	5	9	6	3
Output	9	7	11	8	5

A. V + 10 B. V + 2
C. V × 2 + 13 D. V × 1 - 10

Answers

1. A
2. B
3. D
4. B
5. C
6. D
7. A
8. B
9. B
10. B

1-10	90	80	70	60	50	40	30	20	10	0