Finding Rule w/ Two Steps Name:

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

1)

Input (G)	8	7	3	9	4
Output	25	23	15	27	17

A. G × 2 + 9 B. G × 9
C. G × 2 + 12 D. G × 2

2)

Input (F)	9	7	4	3	8
Output	11	9	6	5	10

A. F × 2 + 12 B. F + 2
C. F × 7 + 10 D. F × 2

3)

Input (J)	3	8	4	9	7
Output	10	20	12	22	18

A. J + 2 B. J × 2 + 7
C. J × 4 D. J × 2 + 4

4)

Input (K)	4	3	8	7	9
Output	24	18	48	42	54

A. K × 3 B. K × 8 - 3
C. K × 6 D. K + 3

5)

Input (V)	7	9	3	8	4
Output	23	27	15	25	17

A. V × 9 B. V × 3 - 9
C. V × 2 + 9 D. V + 2

6)

Input (Z)	15	14	10	9	13
Output	9	8	4	3	7

A. Z × 9 B. Z - 6
C. Z + 6 D. Z × 6

7)

Input (T)	3	8	4	9	7
Output	5	10	6	11	9

A. T × 5 - 9 B. T + 2
C. T × 5 + 9 D. T × 9

8)

Input (Q)	4	3	9	7	8
Output	11	6	36	26	31

A. Q × 9 B. Q × 6 - 9
C. Q × 5 - 10 D. Q × 5 - 9

9)

Input (M)	4	3	7	9	8
Output	40	30	70	90	80

A. M × 12 - 7 B. M × 10
C. M × 10 - 8 D. M + 10

10)

Input (H)	18	17	14	13	19
Output	8	7	4	3	9

A. H × 9 B. H - 10
C. H + 9 D. H × 12 - 9

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	11	9	6	5	10

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Output	10	20	12	22	18

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Input (K)	4	3	8	7	9
Output	24	18	48	42	54

A. K × 3 B. K × 8 - 3
C. K × 6 D. K + 3

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Input (V)	7	9	3	8	4
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A. V × 9 B. V × 3 - 9
C. V × 2 + 9 D. V + 2

6)

Input (Z)	15	14	10	9	13
Output	9	8	4	3	7

A. Z × 9 B. Z - 6
C. Z + 6 D. Z × 6

7)

Input (T)	3	8	4	9	7
Output	5	10	6	11	9

A. T × 5 - 9 B. T + 2
C. T × 5 + 9 D. T × 9

8)

Input (Q)	4	3	9	7	8
Output	11	6	36	26	31

A. Q × 9 B. Q × 6 - 9
C. Q × 5 - 10 D. Q × 5 - 9

9)

Input (M)	4	3	7	9	8
Output	40	30	70	90	80

A. M × 12 - 7 B. M × 10
C. M × 10 - 8 D. M + 10

10)

Input (H)	18	17	14	13	19
Output	8	7	4	3	9

A. H × 9 B. H - 10
C. H + 9 D. H × 12 - 9

Answers

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

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