



Determine what rule the function machine is using.

Answers1)

Input	Output
22	32
10	20
38	48
12	22
14	24

2)

Input	Output
59	44
25	10
46	31
29	14
54	39

3)

Input	Output
39	30
44	35
53	44
29	20
45	36

4)

Input	Output
38	44
18	24
35	41
33	39
49	55

5)

Input	Output
25	30
12	17
11	16
44	49
21	26

6)

Input	Output
5	35
6	42
10	70
8	56
3	21

7)

Input	2	9	10	6	8
Output	6	27	30	18	24

8)

Input	54	81	36	27	45
Output	6	9	4	3	5

9)

Input	3	9	8	10	2
Output	15	45	40	50	10

10)

Input	6	8	4	3	7
Output	48	64	32	24	56

11)

Input	34	16	12	22	43
Output	46	28	24	34	55

12)

Input	6	21	15	27	9
Output	2	7	5	9	3

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



Determine what rule the function machine is using.

1)

Input	Output
22	32
10	20
38	48
12	22
14	24

Add 10

2)

Input	Output
59	44
25	10
46	31
29	14
54	39

Subtract 15

3)

Input	Output
39	30
44	35
53	44
29	20
45	36

Subtract 9

4)

Input	Output
38	44
18	24
35	41
33	39
49	55

Add 6

5)

Input	Output
25	30
12	17
11	16
44	49
21	26

Add 5

6)

Input	Output
5	35
6	42
10	70
8	56
3	21

Multiply by 7

7)

Input	2	9	10	6	8
Output	6	27	30	18	24

Multiply by 3

8)

Input	54	81	36	27	45
Output	6	9	4	3	5

Divide by 9

9)

Input	3	9	8	10	2
Output	15	45	40	50	10

Multiply by 5

10)

Input	6	8	4	3	7
Output	48	64	32	24	56

Multiply by 8

11)

Input	34	16	12	22	43
Output	46	28	24	34	55

Add 12

12)

Input	6	21	15	27	9
Output	2	7	5	9	3

Divide by 3

Answers1. **Add 10**2. **Subtract 15**3. **Subtract 9**4. **Add 6**5. **Add 5**6. **Multiply by 7**7. **Multiply by 3**8. **Divide by 9**9. **Multiply by 5**10. **Multiply by 8**11. **Add 12**12. **Divide by 3**

**Determine what rule the function machine is using.**

Add 6
Multiply by 3
Multiply by 7

Subtract 9
Add 5

Multiply by 5
Add 10

Divide by 9
Subtract 15

1)

Input	Output
22	32
10	20
38	48
12	22
14	24

2)

Input	Output
59	44
25	10
46	31
29	14
54	39

3)

Input	Output
39	30
44	35
53	44
29	20
45	36

4)

Input	Output
38	44
18	24
35	41
33	39
49	55

5)

Input	Output
25	30
12	17
11	16
44	49
21	26

6)

Input	Output
5	35
6	42
10	70
8	56
3	21

7)

Input	2	9	10	6	8
Output	6	27	30	18	24

8)

Input	54	81	36	27	45
Output	6	9	4	3	5

9)

Input	3	9	8	10	2
Output	15	45	40	50	10

Answers

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