



Determine what rule the function machine is using.

Answers1)

Input	Output
55	43
27	15
25	13
49	37
47	35

2)

Input	Output
72	9
32	4
40	5
64	8
56	7

3)

Input	Output
22	34
46	58
25	37
15	27
21	33

4)

Input	Output
8	80
7	70
3	30
2	20
6	60

5)

Input	Output
8	32
7	28
10	40
9	36
3	12

6)

Input	Output
64	49
46	31
62	47
27	12
56	41

7)

Input	29	32	38	47	16
Output	35	38	44	53	22

8)

Input	9	7	8	10	2
Output	45	35	40	50	10

9)

Input	38	49	50	47	13
Output	49	60	61	58	24

10)

Input	30	35	25	61	31
Output	17	22	12	48	18

11)

Input	2	9	7	8	4
Output	10	45	35	40	20

12)

Input	56	28	49	21	70
Output	8	4	7	3	10

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



Determine what rule the function machine is using.

1)

Input	Output
55	43
27	15
25	13
49	37
47	35

Subtract 12

2)

Input	Output
72	9
32	4
40	5
64	8
56	7

Divide by 8

3)

Input	Output
22	34
46	58
25	37
15	27
21	33

Add 12

4)

Input	Output
8	80
7	70
3	30
2	20
6	60

Multiply by 10

5)

Input	Output
8	32
7	28
10	40
9	36
3	12

Multiply by 4

6)

Input	Output
64	49
46	31
62	47
27	12
56	41

Subtract 15

7)

Input	29	32	38	47	16
Output	35	38	44	53	22

Add 6

8)

Input	9	7	8	10	2
Output	45	35	40	50	10

Multiply by 5

9)

Input	38	49	50	47	13
Output	49	60	61	58	24

Add 11

10)

Input	30	35	25	61	31
Output	17	22	12	48	18

Subtract 13

11)

Input	2	9	7	8	4
Output	10	45	35	40	20

Multiply by 5

12)

Input	56	28	49	21	70
Output	8	4	7	3	10

Divide by 7

Answers

1. **Subtract 12**
2. **Divide by 8**
3. **Add 12**
4. **Multiply by 10**
5. **Multiply by 4**
6. **Subtract 15**
7. **Add 6**
8. **Multiply by 5**
9. **Add 11**
10. **Subtract 13**
11. **Multiply by 5**
12. **Divide by 7**

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

Multiply by 4 Add 12 Add 6 Add 11
Multiply by 5 Subtract 12 Divide by 8 Subtract 15
Multiply by 10

1)

Input	Output
55	43
27	15
25	13
49	37
47	35

2)

Input	Output
72	9
32	4
40	5
64	8
56	7

3)

Input	Output
22	34
46	58
25	37
15	27
21	33

4)

Input	Output
8	80
7	70
3	30
2	20
6	60

5)

Input	Output
8	32
7	28
10	40
9	36
3	12

6)

Input	Output
64	49
46	31
62	47
27	12
56	41

7)

Input	29	32	38	47	16
Output	35	38	44	53	22

8)

Input	9	7	8	10	2
Output	45	35	40	50	10

9)

Input	38	49	50	47	13
Output	49	60	61	58	24

Answers

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____