



Use input-output tables

- 1** Does this rule create each output from its input?

Rule: subtract 3

Input	Output
4	1
9	6
12	9
13	10
16	13

A Yes B No

- 2** What rule turns each input into its output?

Input	Output
7	?
9	10
11	12
13	14
14	15

A add 1 B add 4 C add 3 D subtract 11

- 3** What is the missing value in the table?

Input	Output
2	0
4	2
6	4
12	10
14	?

A 12 B 8 C 13 D 23

- 4** Does this rule create each output from its input?

Rule: divide by 8

Input	Output
24	3
32	4
40	5
48	6
56	7

A Yes B No

- 5** What is the missing value in the table?

Rule: divide by 6

Input	Output
6	1
18	3
24	?
48	8
54	9

A 72 B 4 C 216 D 240

- 6** What rule turns each input into its output?

Input	Output
3	21
5	35
6	42
7	49
9	?

A multiply by 2 B multiply by 7 C multiply by 10 D multiply by 11

- 7** What is the missing value in the table?

Input	Output
9	1
36	?
45	5
54	6
81	9

A 288 B 4 C 396 D 360

- 8** Does this rule create each output from its input?

Rule: divide by 12

Input	Output
2	4
3	6
4	8
8	16
9	18

A Yes B No



Use input-output tables

9

What rule turns each input into its output?

Input	Output
6	2
8	4
10	6
13	?
16	12

- A divide by 6 B subtract 1 C add 11 D subtract 4

10

What is the missing value in the table?

Input	Output
3	6
10	13
12	15
13	?
14	17

- A 9 B 16 C 20 D 143

11

Does this rule create each output from its input?

Rule: multiply by 5 then subtract 2

Input	Output
1	3
2	8
4	18
5	23
8	38

- A Yes B No

12

What rule turns each input into its output?

Input	Output
4	9
5	12
7	18
8	21
9	?

- A multiply by 6 then subtract 10 B multiply by 3 then subtract 3 C multiply by 6 then add 12 D multiply by 4 then subtract 9

13

What is the missing value in the table?

Input	Output
1	8
3	12
4	14
7	?
8	22

- A 34 B 20 C 19 D 40

14

What rule turns each input into its output?

Input	Output
1	7
2	12
3	17
6	32
9	47

- A multiply by 3 then subtract 9 B multiply by 3 then add 3 C multiply by 5 then add 2 D multiply by 2 then add 7

15

What rule turns each input into its output?

Input	Output
2	6
5	15
6	18
8	24
9	27

- A divide by 8 B subtract 12 C multiply by 12 D multiply by 3

16

What rule turns each input into its output?

Input	Output
1	4
4	7
5	8
6	9
13	16

- A add 4 B add 12 C add 3 D add 10