



Generate input-output tables

1

Does this rule create each output from its input?

Rule: multiply by 9

Input	Output
1	9
2	18
3	27
6	54
7	63

A Yes

B No

2

Does this rule create each output from its input?

Rule: subtract 6

Input	Output
6	12
7	13
8	14
9	15
12	18

A Yes

B No

3

Does this rule create each output from its input?

Rule: multiply by 2

Input	Output
2	16
3	24
5	40
7	56
9	72

A Yes

B No

4

What is the missing value in the table?

Rule: subtract 1

Input	Output
1	?
5	4
7	6
11	10
14	13

A 0

B 11

C 5

D 9

5

What is the missing value in the table?

Rule: divide by 8

Input	Output
8	1
24	3
32	4
40	5
64	?

A 512

B 128

C 8

D 576

6

Does this rule create each output from its input?

Rule: multiply by 3 then add 8

Input	Output
2	14
3	19
6	34
7	39
8	44

A Yes

B No

7

What is the missing value in the table?

Rule: multiply by 5 then subtract 5

Input	Output
1	0
4	15
5	?
7	30
9	40

A 18

B 20

C 27

D 33

8

What rule turns each input into its output?

Input	Output
8	?
12	8
13	9
17	13
18	14

A add 10

B subtract 4

C add 9

D add 7



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9

What rule turns each input into its output?

Input	Output
3	17
4	20
5	23
6	26
9	35

- A multiply by 4 then subtract 5 B multiply by 3 then add 8 C multiply by 4 then add 3 D multiply by 3 then subtract 5

10

What is the missing value in the table?

Input	Output
1	9
2	10
4	12
5	13
10	?

- A 6 B 18 C 9 D 8

11

What rule turns each input into its output?

Input	Output
14	2
21	3
42	6
56	8
63	9

- A subtract 5 B divide by 7 C multiply by 4 D add 2

12

What rule turns each input into its output?

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

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

13

What rule turns each input into its output?

Input	Output
1	9
3	13
5	?
6	19
9	25

- A multiply by 2 then add 11 B multiply by 5 then add 7 C multiply by 2 then add 7 D multiply by 3 then subtract 3

14

What is the missing value in the table?

Input	Output
1	5
3	15
7	35
8	?
9	45

- A 96 B 56 C 40 D 16

15

What rule turns each input into its output?

Input	Output
2	4
3	6
4	8
5	10
8	?

- A subtract 7 B multiply by 3 C divide by 6 D multiply by 2

16

What rule turns each input into its output?

Input	Output
16	?
20	5
28	7
32	8
36	9

- A divide by 11 B divide by 3 C divide by 10 D divide by 4



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17

What rule turns each input into its output?

Input	Output
2	4
3	6
5	10
8	16
9	18

A divide by
12B multiply by
5C multiply by
4D multiply by
2**18**

What is the missing value in the table?

Input	Output
14	2
21	3
28	4
42	6
56	?

A 7

B 64

C 48

D 8

19

What is the missing value in the table?

Input	Output
1	0
5	8
6	?
7	12
9	16

A 24

B 43

C 10

D 15