



Complete input-output tables

1 What rule turns each input into its output?

Input	Output
7	?
9	7
10	8
13	11
14	12

A

add 10

B

subtract 2

C

add 11

D

subtract 10

2 What is the missing value in the table?

Rule: divide by 7

Input	Output
14	2
35	5
42	?
49	7
56	8

A

53

B

36

C

6

D

37



Complete input-output tables

3 What is the missing value in the table?

Rule: multiply by 2 then add 2

Input	Output
3	8
4	10
5	12
8	18
9	?

A	62
B	56
C	31
D	20

4 What is the missing value in the table?

Rule: multiply by 8

Input	Output
2	16
4	?
5	40
6	48
9	72

A	12
B	20
C	32
D	2



Complete input-output tables

5 What rule turns each input into its output?

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

A

subtract 7

B

divide by 6

C

multiply by 3

D

multiply by 2

6 What rule turns each input into its output?

Input	Output
1	1
3	9
5	?
6	21
8	29

A

multiply by 5 then add 6

B

multiply by 2 then add 3

C

multiply by 5 then add 1

D

multiply by 4 then subtract 3



Complete input-output tables

7 Does this rule create each output from its input?

Rule: multiply by 5 then add 9

Input	Output
2	19
3	24
4	29
8	49
9	54

A

No

B

Yes

8 Does this rule create each output from its input?

Rule: divide by 4

Input	Output
1	7
2	14
5	35
7	49
8	56

A

No

B

Yes



Complete input-output tables

9 Does this rule create each output from its input?

Rule: add 5

Input	Output
4	9
8	13
11	16
13	18
14	19

A

Yes

B

No

10 What rule turns each input into its output?

Input	Output
1	?
5	45
6	54
8	72
9	81

A

multiply by 12

B

multiply by 9

C

multiply by 8

D

multiply by 5



Complete input-output tables

11 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

12 What rule turns each input into its output?

Input	Output
1	0
4	6
5	8
7	12
9	16

A

multiply by 6 then add 8

B

multiply by 6 then subtract 9

C

multiply by 6 then subtract 4

D

multiply by 2 then subtract 2



Complete input-output tables

13 What rule turns each input into its output?

Input	Output
1	9
7	15
8	16
9	17
14	22

A

add 2

B

subtract 11

C

add 8

D

divide by 10

14 What is the missing value in the table?

Input	Output
1	10
3	12
4	?
7	16
13	22

A

13

B

6

C

5

D

14



Complete input-output tables

15 What is the missing value in the table?

Input	Output
2	1
4	?
10	5
12	6
14	7

A

20

B

2

C

1

D

28

16 What is the missing value in the table?

Input	Output
1	5
2	?
6	15
8	19
9	21

A

16

B

15

C

7

D

11



Complete input-output tables

17 What rule turns each input into its output?

Input	Output
1	9
6	14
7	15
9	17
10	18

A

add 7

B

add 8

C

add 11

D

subtract 1

18 What rule turns each input into its output?

Input	Output
1	9
3	27
5	45
7	63
9	81

A

multiply by 9

B

divide by 10

C

divide by 2

D

multiply by 4