

Input/Output Tables (A)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 1	Output
9		
6		
1		
10		
4		

	Rule	
Input	+ 11	Output
9		
4		
11		
7		
12		

	Rule	
Input	+ 4	Output
8		
9		
5		
10		
7		

	Rule	
Input	+ 10	Output
3		
10		
12		
7		
5		

	Rule	
Input	+ 3	Output
11		
10		
7		
6		
2		

	Rule	
Input	+ 4	Output
7		
1		
10		
2		
9		

Input/Output Tables (A) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 1	Output
9		10
6		7
1		2
10		11
4		5

	Rule	
Input	+ 11	Output
9		20
4		15
11		22
7		18
12		23

	Rule	
Input	+ 4	Output
8		12
9		13
5		9
10		14
7		11

	Rule	
Input	+ 10	Output
3		13
10		20
12		22
7		17
5		15

	Rule	
Input	+ 3	Output
11		14
10		13
7		10
6		9
2		5

	Rule	
Input	+ 4	Output
7		11
1		5
10		14
2		6
9		13

Input/Output Tables (B)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 2	Output
9		
6		
5		
8		
12		

	Rule	
Input	+ 1	Output
8		
1		
9		
5		
3		

	Rule	
Input	+ 10	Output
5		
7		
3		
6		
11		

	Rule	
Input	+ 1	Output
1		
9		
4		
6		
3		

	Rule	
Input	+ 5	Output
6		
3		
11		
2		
12		

	Rule	
Input	+ 10	Output
4		
9		
10		
7		
5		

Input/Output Tables (B) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 2	Output
9		11
6		8
5		7
8		10
12		14

	Rule	
Input	+ 1	Output
8		9
1		2
9		10
5		6
3		4

	Rule	
Input	+ 10	Output
5		15
7		17
3		13
6		16
11		21

	Rule	
Input	+ 1	Output
1		2
9		10
4		5
6		7
3		4

	Rule	
Input	+ 5	Output
6		11
3		8
11		16
2		7
12		17

	Rule	
Input	+ 10	Output
4		14
9		19
10		20
7		17
5		15

Input/Output Tables (C)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 5	Output
3		
8		
10		
5		
9		

	Rule	
Input	+ 4	Output
2		
1		
11		
6		
9		

	Rule	
Input	+ 2	Output
7		
11		
8		
6		
1		

	Rule	
Input	+ 6	Output
6		
11		
10		
7		
2		

	Rule	
Input	+ 11	Output
11		
5		
1		
10		
2		

	Rule	
Input	+ 10	Output
5		
11		
12		
3		
8		

Input/Output Tables (C) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 5	Output
3		8
8		13
10		15
5		10
9		14

	Rule	
Input	+ 4	Output
2		6
1		5
11		15
6		10
9		13

	Rule	
Input	+ 2	Output
7		9
11		13
8		10
6		8
1		3

	Rule	
Input	+ 6	Output
6		12
11		17
10		16
7		13
2		8

	Rule	
Input	+ 11	Output
11		22
5		16
1		12
10		21
2		13

	Rule	
Input	+ 10	Output
5		15
11		21
12		22
3		13
8		18

Input/Output Tables (D)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 1	Output
1		
5		
2		
9		
12		

	Rule	
Input	+ 1	Output
7		
1		
4		
2		
12		

	Rule	
Input	+ 2	Output
1		
6		
2		
8		
12		

	Rule	
Input	+ 12	Output
5		
10		
7		
3		
2		

	Rule	
Input	+ 7	Output
5		
7		
12		
1		
4		

	Rule	
Input	+ 6	Output
11		
8		
10		
5		
12		

Input/Output Tables (D) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 1	Output
1		2
5		6
2		3
9		10
12		13

	Rule	
Input	+ 1	Output
7		8
1		2
4		5
2		3
12		13

	Rule	
Input	+ 2	Output
1		3
6		8
2		4
8		10
12		14

	Rule	
Input	+ 12	Output
5		17
10		22
7		19
3		15
2		14

	Rule	
Input	+ 7	Output
5		12
7		14
12		19
1		8
4		11

	Rule	
Input	+ 6	Output
11		17
8		14
10		16
5		11
12		18

Input/Output Tables (E)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 9	Output
6		
9		
2		
11		
4		

	Rule	
Input	+ 1	Output
2		
5		
10		
8		
6		

	Rule	
Input	+ 2	Output
6		
5		
2		
11		
8		

	Rule	
Input	+ 10	Output
5		
2		
3		
7		
9		

	Rule	
Input	+ 10	Output
10		
8		
3		
7		
2		

	Rule	
Input	+ 3	Output
5		
9		
11		
6		
2		

Input/Output Tables (E) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 9	Output
6		15
9		18
2		11
11		20
4		13

	Rule	
Input	+ 1	Output
2		3
5		6
10		11
8		9
6		7

	Rule	
Input	+ 2	Output
6		8
5		7
2		4
11		13
8		10

	Rule	
Input	+ 10	Output
5		15
2		12
3		13
7		17
9		19

	Rule	
Input	+ 10	Output
10		20
8		18
3		13
7		17
2		12

	Rule	
Input	+ 3	Output
5		8
9		12
11		14
6		9
2		5

Input/Output Tables (F)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 5	Output
3		
4		
10		
7		
1		

	Rule	
Input	+ 9	Output
1		
4		
7		
8		
2		

	Rule	
Input	+ 4	Output
1		
7		
5		
11		
3		

	Rule	
Input	+ 11	Output
1		
7		
8		
10		
11		

	Rule	
Input	+ 1	Output
7		
4		
11		
2		
5		

	Rule	
Input	+ 7	Output
4		
6		
1		
8		
2		

Input/Output Tables (F) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 5	Output
3		8
4		9
10		15
7		12
1		6

	Rule	
Input	+ 9	Output
1		10
4		13
7		16
8		17
2		11

	Rule	
Input	+ 4	Output
1		5
7		11
5		9
11		15
3		7

	Rule	
Input	+ 11	Output
1		12
7		18
8		19
10		21
11		22

	Rule	
Input	+ 1	Output
7		8
4		5
11		12
2		3
5		6

	Rule	
Input	+ 7	Output
4		11
6		13
1		8
8		15
2		9

Input/Output Tables (G)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 11	Output
3		
6		
7		
4		
11		

	Rule	
Input	+ 2	Output
4		
6		
5		
9		
10		

	Rule	
Input	+ 9	Output
4		
5		
9		
2		
11		

	Rule	
Input	+ 4	Output
2		
9		
7		
3		
5		

	Rule	
Input	+ 4	Output
11		
1		
2		
7		
10		

	Rule	
Input	+ 5	Output
8		
6		
11		
3		
1		

Input/Output Tables (G) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 11	Output
3		14
6		17
7		18
4		15
11		22

	Rule	
Input	+ 2	Output
4		6
6		8
5		7
9		11
10		12

	Rule	
Input	+ 9	Output
4		13
5		14
9		18
2		11
11		20

	Rule	
Input	+ 4	Output
2		6
9		13
7		11
3		7
5		9

	Rule	
Input	+ 4	Output
11		15
1		5
2		6
7		11
10		14

	Rule	
Input	+ 5	Output
8		13
6		11
11		16
3		8
1		6

Input/Output Tables (H)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 11	Output
4		
1		
8		
9		
12		

	Rule	
Input	+ 10	Output
8		
1		
12		
5		
6		

	Rule	
Input	+ 10	Output
1		
9		
8		
7		
5		

	Rule	
Input	+ 7	Output
4		
5		
2		
12		
3		

	Rule	
Input	+ 7	Output
9		
10		
6		
4		
12		

	Rule	
Input	+ 9	Output
4		
2		
8		
12		
9		

Input/Output Tables (H) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 11	Output
4		15
1		12
8		19
9		20
12		23

	Rule	
Input	+ 10	Output
8		18
1		11
12		22
5		15
6		16

	Rule	
Input	+ 10	Output
1		11
9		19
8		18
7		17
5		15

	Rule	
Input	+ 7	Output
4		11
5		12
2		9
12		19
3		10

	Rule	
Input	+ 7	Output
9		16
10		17
6		13
4		11
12		19

	Rule	
Input	+ 9	Output
4		13
2		11
8		17
12		21
9		18

Input/Output Tables (I)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 9	Output
11		
7		
12		
1		
4		

	Rule	
Input	+ 5	Output
10		
7		
11		
5		
1		

	Rule	
Input	+ 11	Output
9		
2		
12		
4		
6		

	Rule	
Input	+ 11	Output
7		
10		
11		
2		
6		

	Rule	
Input	+ 8	Output
9		
3		
12		
8		
7		

	Rule	
Input	+ 2	Output
4		
6		
2		
7		
8		

Input/Output Tables (I) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 9	Output
11		20
7		16
12		21
1		10
4		13

	Rule	
Input	+ 5	Output
10		15
7		12
11		16
5		10
1		6

	Rule	
Input	+ 11	Output
9		20
2		13
12		23
4		15
6		17

	Rule	
Input	+ 11	Output
7		18
10		21
11		22
2		13
6		17

	Rule	
Input	+ 8	Output
9		17
3		11
12		20
8		16
7		15

	Rule	
Input	+ 2	Output
4		6
6		8
2		4
7		9
8		10

Input/Output Tables (J)

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 6	Output
12		
2		
11		
7		
1		

	Rule	
Input	+ 5	Output
3		
12		
9		
6		
5		

	Rule	
Input	+ 1	Output
10		
4		
5		
12		
3		

	Rule	
Input	+ 7	Output
8		
10		
1		
4		
9		

	Rule	
Input	+ 1	Output
1		
2		
9		
8		
10		

	Rule	
Input	+ 10	Output
12		
3		
1		
2		
6		

Input/Output Tables (J) Answers

Fill in the blanks. Use the middle column to show your work.

	Rule	
Input	+ 6	Output
12		18
2		8
11		17
7		13
1		7

	Rule	
Input	+ 5	Output
3		8
12		17
9		14
6		11
5		10

	Rule	
Input	+ 1	Output
10		11
4		5
5		6
12		13
3		4

	Rule	
Input	+ 7	Output
8		15
10		17
1		8
4		11
9		16

	Rule	
Input	+ 1	Output
1		2
2		3
9		10
8		9
10		11

	Rule	
Input	+ 10	Output
12		22
3		13
1		11
2		12
6		16