

# Input/Output Tables (A)

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

	Rule	
Input	- 1	Output
6		
2		
11		
7		
9		

	Rule	
Input	- 9	Output
14		
11		
21		
13		
18		

	Rule	
Input	- 5	Output
14		
9		
8		
17		
10		

	Rule	
Input	- 12	Output
16		
22		
24		
14		
18		

	Rule	
Input	- 3	Output
7		
13		
8		
14		
5		

	Rule	
Input	- 1	Output
8		
13		
9		
7		
12		

# Input/Output Tables (A) Answers

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

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

	Rule	
Input	- 9	Output
14		5
11		2
21		12
13		4
18		9

	Rule	
Input	- 5	Output
14		9
9		4
8		3
17		12
10		5

	Rule	
Input	- 12	Output
16		4
22		10
24		12
14		2
18		6

	Rule	
Input	- 3	Output
7		4
13		10
8		5
14		11
5		2

	Rule	
Input	- 1	Output
8		7
13		12
9		8
7		6
12		11

# Input/Output Tables (B)

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

	Rule	
Input	- 3	Output
4		
13		
5		
9		
6		

	Rule	
Input	- 3	Output
12		
9		
4		
5		
13		

	Rule	
Input	- 10	Output
21		
18		
14		
12		
20		

	Rule	
Input	- 6	Output
10		
18		
14		
8		
15		

	Rule	
Input	- 10	Output
20		
22		
19		
21		
14		

	Rule	
Input	- 6	Output
17		
9		
10		
16		
12		

# Input/Output Tables (B) Answers

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

	Rule	
Input	- 3	Output
4		1
13		10
5		2
9		6
6		3

	Rule	
Input	- 3	Output
12		9
9		6
4		1
5		2
13		10

	Rule	
Input	- 10	Output
21		11
18		8
14		4
12		2
20		10

	Rule	
Input	- 6	Output
10		4
18		12
14		8
8		2
15		9

	Rule	
Input	- 10	Output
20		10
22		12
19		9
21		11
14		4

	Rule	
Input	- 6	Output
17		11
9		3
10		4
16		10
12		6

# Input/Output Tables (C)

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

	Rule	
Input	- 9	Output
10		
14		
18		
13		
11		

	Rule	
Input	- 8	Output
20		
15		
18		
9		
14		

	Rule	
Input	- 11	Output
21		
13		
19		
20		
18		

	Rule	
Input	- 4	Output
16		
15		
8		
13		
7		

	Rule	
Input	- 9	Output
17		
20		
18		
15		
19		

	Rule	
Input	- 7	Output
16		
18		
11		
14		
17		

# Input/Output Tables (C) Answers

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

	Rule	
Input	- 9	Output
10		1
14		5
18		9
13		4
11		2

	Rule	
Input	- 8	Output
20		12
15		7
18		10
9		1
14		6

	Rule	
Input	- 11	Output
21		10
13		2
19		8
20		9
18		7

	Rule	
Input	- 4	Output
16		12
15		11
8		4
13		9
7		3

	Rule	
Input	- 9	Output
17		8
20		11
18		9
15		6
19		10

	Rule	
Input	- 7	Output
16		9
18		11
11		4
14		7
17		10

# Input/Output Tables (D)

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

	Rule	
Input	- 1	Output
10		
8		
11		
12		
7		

	Rule	
Input	- 2	Output
6		
14		
7		
4		
8		

	Rule	
Input	- 11	Output
21		
13		
14		
20		
17		

	Rule	
Input	- 4	Output
7		
5		
13		
15		
14		

	Rule	
Input	- 1	Output
13		
12		
6		
5		
7		

	Rule	
Input	- 3	Output
11		
10		
9		
5		
13		

# Input/Output Tables (D) Answers

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

	Rule	
Input	- 1	Output
10		9
8		7
11		10
12		11
7		6

	Rule	
Input	- 2	Output
6		4
14		12
7		5
4		2
8		6

	Rule	
Input	- 11	Output
21		10
13		2
14		3
20		9
17		6

	Rule	
Input	- 4	Output
7		3
5		1
13		9
15		11
14		10

	Rule	
Input	- 1	Output
13		12
12		11
6		5
5		4
7		6

	Rule	
Input	- 3	Output
11		8
10		7
9		6
5		2
13		10



# Input/Output Tables (E)

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

	Rule	
Input	- 5	Output
12		
11		
7		
9		
17		

	Rule	
Input	- 3	Output
10		
7		
12		
9		
8		

	Rule	
Input	- 8	Output
19		
12		
14		
10		
9		

	Rule	
Input	- 7	Output
12		
11		
18		
8		
19		

	Rule	
Input	- 11	Output
18		
17		
23		
14		
13		

	Rule	
Input	- 3	Output
7		
11		
8		
12		
14		

# Input/Output Tables (E) Answers

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

	Rule	
Input	- 5	Output
12		7
11		6
7		2
9		4
17		12

	Rule	
Input	- 3	Output
10		7
7		4
12		9
9		6
8		5

	Rule	
Input	- 8	Output
19		11
12		4
14		6
10		2
9		1

	Rule	
Input	- 7	Output
12		5
11		4
18		11
8		1
19		12

	Rule	
Input	- 11	Output
18		7
17		6
23		12
14		3
13		2

	Rule	
Input	- 3	Output
7		4
11		8
8		5
12		9
14		11

# Input/Output Tables (F)

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

	Rule	
Input	- 4	Output
7		
8		
16		
9		
5		

	Rule	
Input	- 8	Output
18		
17		
12		
9		
11		

	Rule	
Input	- 8	Output
14		
18		
12		
9		
15		

	Rule	
Input	- 2	Output
6		
5		
11		
3		
4		

	Rule	
Input	- 11	Output
15		
17		
16		
23		
14		

	Rule	
Input	- 2	Output
12		
8		
5		
9		
11		

# Input/Output Tables (F) Answers

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

	Rule	
Input	- 4	Output
7		3
8		4
16		12
9		5
5		1

	Rule	
Input	- 8	Output
18		10
17		9
12		4
9		1
11		3

	Rule	
Input	- 8	Output
14		6
18		10
12		4
9		1
15		7

	Rule	
Input	- 2	Output
6		4
5		3
11		9
3		1
4		2

	Rule	
Input	- 11	Output
15		4
17		6
16		5
23		12
14		3

	Rule	
Input	- 2	Output
12		10
8		6
5		3
9		7
11		9

# Input/Output Tables (G)

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

	Rule	
Input	- 6	Output
15		
8		
13		
14		
12		

	Rule	
Input	- 4	Output
8		
7		
11		
14		
13		

	Rule	
Input	- 1	Output
2		
8		
5		
11		
3		

	Rule	
Input	- 3	Output
7		
14		
8		
9		
15		

	Rule	
Input	- 3	Output
14		
10		
5		
4		
11		

	Rule	
Input	- 1	Output
3		
8		
7		
13		
5		

# Input/Output Tables (G) Answers

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

	Rule	
Input	- 6	Output
15		9
8		2
13		7
14		8
12		6

	Rule	
Input	- 4	Output
8		4
7		3
11		7
14		10
13		9

	Rule	
Input	- 1	Output
2		1
8		7
5		4
11		10
3		2

	Rule	
Input	- 3	Output
7		4
14		11
8		5
9		6
15		12

	Rule	
Input	- 3	Output
14		11
10		7
5		2
4		1
11		8

	Rule	
Input	- 1	Output
3		2
8		7
7		6
13		12
5		4

# Input/Output Tables (H)

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

	Rule	
Input	- 12	Output
13		
15		
14		
19		
22		

	Rule	
Input	- 8	Output
11		
17		
15		
14		
20		

	Rule	
Input	- 2	Output
9		
8		
5		
3		
6		

	Rule	
Input	- 4	Output
10		
7		
8		
5		
9		

	Rule	
Input	- 7	Output
10		
13		
18		
14		
11		

	Rule	
Input	- 4	Output
10		
8		
11		
6		
13		

# Input/Output Tables (H) Answers

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

	Rule	
Input	- 12	Output
13		1
15		3
14		2
19		7
22		10

	Rule	
Input	- 8	Output
11		3
17		9
15		7
14		6
20		12

	Rule	
Input	- 2	Output
9		7
8		6
5		3
3		1
6		4

	Rule	
Input	- 4	Output
10		6
7		3
8		4
5		1
9		5

	Rule	
Input	- 7	Output
10		3
13		6
18		11
14		7
11		4

	Rule	
Input	- 4	Output
10		6
8		4
11		7
6		2
13		9



# Input/Output Tables (I)

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

	Rule	
Input	- 12	Output
24		
23		
19		
15		
17		

	Rule	
Input	- 3	Output
14		
15		
10		
13		
4		

	Rule	
Input	- 6	Output
7		
14		
17		
8		
13		

	Rule	
Input	- 7	Output
12		
19		
9		
13		
11		

	Rule	
Input	- 4	Output
11		
16		
14		
15		
6		

	Rule	
Input	- 8	Output
11		
12		
14		
15		
16		

# Input/Output Tables (I) Answers

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

	Rule	
Input	- 12	Output
24		12
23		11
19		7
15		3
17		5

	Rule	
Input	- 3	Output
14		11
15		12
10		7
13		10
4		1

	Rule	
Input	- 6	Output
7		1
14		8
17		11
8		2
13		7

	Rule	
Input	- 7	Output
12		5
19		12
9		2
13		6
11		4

	Rule	
Input	- 4	Output
11		7
16		12
14		10
15		11
6		2

	Rule	
Input	- 8	Output
11		3
12		4
14		6
15		7
16		8

# Input/Output Tables (J)

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

	Rule	
Input	- 12	Output
16		
17		
23		
13		
15		

	Rule	
Input	- 1	Output
4		
7		
10		
6		
9		

	Rule	
Input	- 3	Output
11		
14		
10		
15		
5		

	Rule	
Input	- 8	Output
20		
17		
15		
19		
9		

	Rule	
Input	- 10	Output
15		
17		
11		
22		
21		

	Rule	
Input	- 8	Output
12		
18		
15		
11		
19		

# Input/Output Tables (J) Answers

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

	Rule	
Input	- 12	Output
16		4
17		5
23		11
13		1
15		3

	Rule	
Input	- 1	Output
4		3
7		6
10		9
6		5
9		8

	Rule	
Input	- 3	Output
11		8
14		11
10		7
15		12
5		2

	Rule	
Input	- 8	Output
20		12
17		9
15		7
19		11
9		1

	Rule	
Input	- 10	Output
15		5
17		7
11		1
22		12
21		11

	Rule	
Input	- 8	Output
12		4
18		10
15		7
11		3
19		11