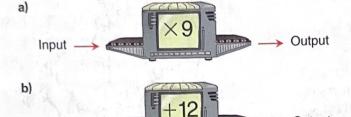
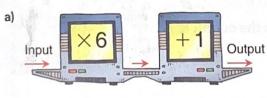
Practice

- 1. For each Input/Output machine:
 - Copy and complete the table.
 - Write the pattern rule that relates the input to the output.
 - Write the pattern rule for the input.
 - Write the pattern rule for the output.



Input	Output
7 1	
2	
3	
4	Challen and
5	

- 2. For each Input/Output machine:
 - · Copy and complete the table.
 - Write the pattern rule that relates the input to the output.
 - · Write the pattern rule for the input.
 - · Write the pattern rule for the output.



b)		70.5			0	
	Input	+1		X	6	Output
	→ ————————————————————————————————————	000	——————————————————————————————————————			
		in the second		-	NAME OF TAXABLE PARTY.	

Input Output

2
4
6
8
10

- 3. Look at question 2 and your tables.
 - a) How are the Input/Output machines the same? How are they different?
 - b) How do the output numbers from the two machines compare? Explain.
 - c) Is it possible to get more than one output number for each input? How do you know?

4. Copy and complete this table. The pattern rule that relates the input to the output is:

Divide the input by 6.

- a) Write the pattern rule for the input.
- b) Write the pattern rule for the output.

Input	Output
36	1 17 1 2
42	7,000,000
48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
54	1711 4
60	

5. Copy and complete this table. The pattern rule that relates the input to the output is:

Divide the input by 3, then subtract 2.

- a) Write the pattern rule for the input.
- b) Write the pattern rule for the output.

Input	Output
30	
60	
90	Part State of the Control
120	NO MEDICAL PROPERTY.
150	1

6. The pattern rule that relates the input to the output is: Add 4 to the input. Then divide by 2. Check the data in the Input/Output table. Identify any output numbers that are incorrect. How do you know they are incorrect? Show your work.

Input	Output
4	2
8	4
16	10
26	15
30	19



7. The pattern rule that relates the input to the output is:

Divide the input by 6, then add 5.

- a) Check the data in the Input/Output table. Identify any output numbers that are incorrect. How do you know they are incorrect?
- b) Correct the table.
- c) Write 3 more input and output numbers for this pattern rule.

Show your work.

Input	Output	
6	6	
12	7	
30	10	
42	2	
54	15	