

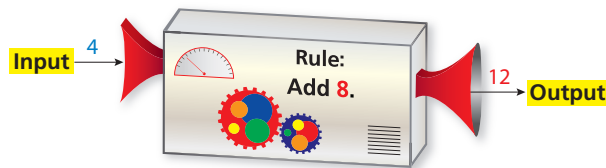
Learning Target: Describe a rule for an input-output table.

Success Criteria:

- I can use a rule to complete an input-output table.
- I can write a rule for an input-output table.

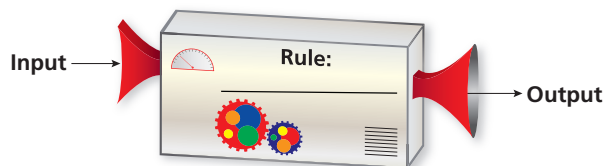
Think and Grow

Example Use the rule to complete the table.



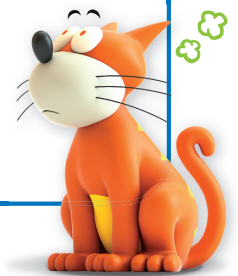
Input	Add 8.	Output
4	$4 + 8$	12
6		
10		
		20

Example Write a rule for the input-output table.



Input	Output
3	6
4	8
6	12
8	16

These outputs are multiples of the inputs.



Show and Grow

Use the rule to complete the table.

1. Rule:
Subtract 7.

Input	Output
8	
10	
14	
	20

2. Rule:
Multiply by 9.

Input	Output
0	
4	
	63
11	

Write a rule for the input-output table.

3. Rule:

Input	Output
0	0
1	6
2	12
3	18

4. Rule:

Input	Output
9	4
11	6
17	12
18	13

Practice

Name _____

Use the rule to complete the table.

5. Rule: Add 12.

Input	Output
9	
14	
	30
	35

6. Rule: Subtract 6.

Input	Output
	0
13	
	9
20	

7. Rule: Multiply by 3.

Input	Output
	3
3	
4	
	18

Write a rule for the input-output table.

8. Rule: _____

Input	Output
10	2
12	4
15	7
17	9

9. Rule: _____

Input	Output
2	10
5	25
8	40
9	45

10. Rule: _____

Input	Output
19	26
36	43
55	62
71	78

11. **YOU BE THE TEACHER** Your friend says that the rule for the input-output table is "Add 6." Is your friend correct? Explain.

Input	Output
2	8
4	16
8	32
10	40

12. **Open-Ended** Write a rule and complete the input-output table.

Input	Output
0	
2	
6	
10	

13. **Modeling Real Life** The table shows the relationship between the number of carnival tickets and the total cost. How much does one ticket cost?

Number of Tickets	Total Cost (dollars)
2	6
4	12
5	15
8	24