

# Input-Output Numbers

1. Look at the rule table below. The students in Mrs. Hunter's class are trying to guess the rule.

Rule:	
Input	Output
4	8
6	10
10	14
15	19
20	24

I think the rule is double the number.

Rosa

I think the rule is add 4.

Josh

I think the rule is subtract 4.

Miguel

Test each student's rule. Do you agree with Rosa, Josh, or Miguel? On the lines below, tell why you agree with Rosa, Josh, or Miguel. Remember that the rule has to fit all the input numbers.

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2. Complete the input and output numbers for the rule machine. Write a number sentence for each row of input-output numbers.

Rule: Add 6		
Input	Output	Number Sentence
5		
7		
	17	
9		
	20	
30		

3. What is the rule for the rule machine below?

Rule:	
Input	Output
5	10
7	12
9	14
11	16

4. In the last row of the data table, write another input and output number that fits the rule.