## **INPUT - OUTPUT TABLES HELP**

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### ANSWERS

**INPUT-OUTPUT TABLES** HELP US DETERMINE A PATTERN WITH CERTAIN NUMBERS. THESE NUMBERS WILL FOLLOW A RULE AND THIS RULE TELLS US HOW ONE AMOUNT IS RELATED TO ANOTHER AMOUNT. IT'S LIKE A PUZZLE THAT CAN HELP US DETERMINE WHAT AN AMOUNT WAS IN THE PAST AND WHAT IT WILL BE IN THE FUTURE.



Now your turn. Draw the total number of items that will come out of each input-output machine.



# **INPUT - OUTPUT TABLES PRACTICE**

#### ANSWERS

LEVEL 1



I HOPE YOU GET THE BASIC IDEA OF HOW AN INPUT-OUTPUT TABLE WORKS, BUT WE CANNOT KEEP DRAWING THE MACHINE. WE'LL NEED TO EVENTUALLY START USING AN ACTUAL TABLE TO SHOW THE RESULTS OF THE STATED RULE. BELOW ARE TWO MORE PRACTICE PROBLEMS FOR YOU TO WORK ON. THESE PROBLEMS ARE SLIGHTLY DIFFERENT BUT THE PROCESS IS EXACTLY THE SAME. REMEMBER, YOU SHOULD BE LOOKING FOR A PATTERN BETWEEN THE INPUT AND OUTPUT NUMBERS.

**PROBLEM 1** 

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## **INPUT - OUTPUT TABLES PRACTICE**

#### Complete each input-output table.



4. Patrick is exactly six years older than Steven. At the moment, Steven is 9. Below is an input-output table showing their ages in the future. Complete the table by filling in the empty spaces.

	Age in years							
Input	Steven's age	9	12	18	21	24	40	57
Output	Patrick's age	15	18	24	27	30	46	63
MATHCRU	JSH.COM	WITH THIS TABLE AND KNOWING THE RULE YOU CAN NOW FIGURE OUT THEIR DIFFERENT AGES IN THE FUTURE AND PAST. LIKE, WHEN PATRICK IS 97, HOW OLD WILL STEVEN BE?						le LEVEL