Which Number Doesn't Belong in the Function Table?

➤ **Understanding number patterns in function tables helps prepare us for algebra. We can read function tables from left to right, so whatever happens to the input will create an output. For example, if the input is 1 and we add 2, our output is 3. The change that happens, plus 2, is called the rule.**

Directions:
1. Identify the number pattern and rule in the function (input-output) table.
2. Circle the number that does not belong in the table and write in the number that should replace it.
3. Then, complete the sentence stems in the second column.

1.

Input	(Rule)	Output
4	⟶	7
5	⟶	8
6	⟶	9
7	⟶	11

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

2.

Input	(Rule)	Output
9	⟶	7
10	⟶	8
11	⟶	13
12	⟶	10

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

3.

Input	(Rule)	Output
1	⟶	5
2	⟶	10
3	⟶	15
4	⟶	20
5	⟶	30

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

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4.

Input	(Rule)	Output
2	→	9
4	→	11
6	→	13
8	→	16
10	→	17

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

5.

Input	Output
12	5
13	7
14	8
15	9
16	10

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

6.

Input	Output
6	24
7	30
8	32
9	36
10	40

The rule for this input-output table is _____.

I know this is true because_____

_____.

The number that does not belong in the table is _____.

I figured this out by _____

_____.

The number should be _____.

Input	Output

YOU TRY IT! Make your own function table with one incorrect number, either in the input or output column. Then, ask a partner to identify the number that doesn't belong and explain their reasoning verbally.