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## 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: ANSWER SHEET

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 | $\longrightarrow$ | 7 |
| 5 | $\longrightarrow$ | 8 |
| 6 | $\longrightarrow$ | 9 |
| 7 | $\longrightarrow$ | 11 |

The rule for this input-output table is +3 or plus three
I know this is true because the difference between input and output is 3

The number that does not belong in the table is 11
I figured this out by adding three to each input and $7+3$ is not 11

The number should be 10

The rule for this input-output table is -2 or minus 2
I know this is true because। checked each row, such as 9-2
$=7,10-2=8$
The number that does not belong in the table is 13
I figured this out by noticing that eleven minus two is not thirteen

The number should be 9

The rule for this input-output table is $\times 5$ or times five
I know this is true because I multiplied each input by 5 to

## get the output

The number that does not belong in the table is 30
I figured this out by multiplying 5 by 5 and not getting 30

The number should be $\mathbf{2 5}$
$\qquad$
Which Number Doesn't Belong in the Function Table?


