Look at the numbers below and study the changes that happen.

Example 1:

| Input |  | Output |
| :---: | :---: | :---: |
| 1 | $\longrightarrow$ | 2 |
| 2 | $\longrightarrow$ | 3 |
| 3 | $\longrightarrow$ | 4 |
| 7 | $\longrightarrow$ | 8 |

So the rule is:
Add 1

Example 2:

| Input |  | Output |
| :---: | :---: | :---: |
| 1 | $\longrightarrow$ | 2 |
| 2 | $\longrightarrow$ | 4 |
| 3 | $\longrightarrow$ | 6 |
| 5 | $\longrightarrow$ | 10 |

So the rule is:

Directions: Study the number pattern and find the missing numbers and rule.
If you don't know an answer, write a "?" in the blank.
1)

| Input |  | Output |
| :---: | :---: | :---: |
| 13 | $\longrightarrow$ | 19 |
| 14 | $\longrightarrow$ | 20 |
| 15 | $\longrightarrow$ | 21 |
| 16 | $\longrightarrow$ |  |
|  | $\longrightarrow$ | 38 |

The rule is $\square$
2)

| Input |  | Output |
| :---: | :---: | :---: |
| 14 | $\longrightarrow$ | 19 |
| 15 | $\longrightarrow$ | 20 |
| 16 | $\longrightarrow$ | 21 |
| 17 | $\longrightarrow$ |  |
|  | $\longrightarrow$ | 36 |

The rule is $\square$
3)

| Input |  | Output |
| :---: | :---: | :---: |
| 5 | $\longrightarrow$ | 20 |
| 6 | $\longrightarrow$ | 24 |
| 7 | $\longrightarrow$ | 28 |
| 8 | $\longrightarrow$ |  |
|  | $\longrightarrow$ |  |

The rule is $\square$
5)

| Input |  | Output |
| :---: | :---: | :---: |
| 4 | $\longrightarrow$ | 9 |
| 5 | $\longrightarrow$ | 11 |
| 6 | $\longrightarrow$ | 13 |
| 7 | $\longrightarrow$ |  |
|  | $\longrightarrow$ | 21 |

6) 

| Input |  | Output |
| :---: | :---: | :---: |
| 3 | $\longrightarrow$ | 16 |
| 4 | $\longrightarrow$ | 21 |
| 5 | $\longrightarrow$ | 26 |
| 6 | $\longrightarrow$ |  |
|  | $\longrightarrow$ | 41 |

The rule is $\square$

