### 1.4. Number Line



A number line is a straight line with numbers placed at equal intervals, in order.

Example 1: Find the secret number $x$ on the number line.

| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 8 | $x$ | 10 | 11 | 12 | 13 | 14 | 15 |

Solution: The secret number $x$ is 9 .
Practice 1: Find the secret number $x$ on the number line.


The secret number $x$ is 3 .

Practice 2: Find the secret number $x$ on the number line.


The secret number $x$ is 15 .

Practice 3: Find the secret number $x$ on the number line.


The secret number $x$ is 12 .

Example 2: Where is the duck?


The duck is at number 7 .

Practice 4: Where is the duck?


The duck is at number 10 .

Practice 5: Where is the duck?


The duck is at number 1 .

Practice 6: Where is the duck?


The duck is at number 4 .

Practice 7: Where is the duck?


The duck is at number 13 .

Example 3: I don't need the duck anymore. How about you?

$x$ is at number 8 .

$$
x=8
$$

## Practice 8: Find $x$.

$x=\xrightarrow{\sim}$

Practice 9: Find $x$.

| 0 | 5 | 10 | 15 |
| :---: | :---: | :---: | :---: |

## Practice 10: Find $x$.

$\underset{0}{ }$
$x=\underline{17}$

Practice 11: Find $x$.

| 0 | 5 | 10 | 15 |
| :---: | :---: | :---: | :---: |

