Unit 6 : Numbers to 20

Friendly Notes

Counting

These are the numbers 11 to 20. We learn to count and write these numbers in words.

<table>
<thead>
<tr>
<th>11</th>
<th>eleven</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>twelve</td>
</tr>
<tr>
<td>13</td>
<td>thirteen</td>
</tr>
<tr>
<td>14</td>
<td>fourteen</td>
</tr>
<tr>
<td>15</td>
<td>fifteen</td>
</tr>
<tr>
<td>16</td>
<td>sixteen</td>
</tr>
<tr>
<td>17</td>
<td>seventeen</td>
</tr>
<tr>
<td>18</td>
<td>eighteen</td>
</tr>
<tr>
<td>19</td>
<td>nineteen</td>
</tr>
<tr>
<td>20</td>
<td>twenty</td>
</tr>
</tbody>
</table>
To make bigger numbers easier to count, we can make groups of 10 first.

Count the stars.

10 and 8 make 18.
\[10 + 8 = 18\]
There are 18 stars altogether.

Ordering and Comparing Numbers

When we compare two numbers, we check which number is greater and which is smaller.

Which number is greater? Count and compare.

Set A has 15 bees.
Set B has 12 bees.

There are 3 more bees in Set A than in Set B.
15 is greater than 12.
12 is smaller than 15.
When we compare two numbers, we use these words:

- greater than
- smaller than

When we compare more than two numbers, we use these words:

- the greatest
- the smallest

Set B has the smallest number.
Set C has the greatest number.

We can arrange numbers in order when we know how to count them in order.

Let us compare these numbers and arrange them in order.

(a) Begin with the greatest: 13, 10, 8, 4
(b) Begin with the smallest: 4, 8, 10, 13
Addition

We can first make 10 to help us add.

Add 8 and 5.

**Step 1:** Add 8 and 2 to make 10.
**Step 2:** Add 10 and 3. We get 13.

OR

**Step 1:** Add 5 and 5 to make 10.
**Step 2:** Add 10 and 3. We get 13.
We can add using known facts.

**Step 1:** Add 7 and 7 to make 14.
**Step 2:** Add 14 and 1. We get 15.

![Diagram of addition process]

Subtraction

We can first make 10, then subtract.

Subtract 9 from 15.

**Step 1:** We make a 10.
**Step 2:** Subtract 9 from 10. We get 1.
**Step 3:** Add 5 and 1. We get 6.

Subtract 6 from 14.

**Step 1:** Subtract 4 from 14. We get 10.
**Step 2:** Then we subtract the remaining 2 from 10. We get 8.
Related Addition and Subtraction Facts

6 + 5 = 11
5 + 6 = 11
11 − 5 = 6
11 − 6 = 5