











# Unit 6 : Numbers to 20

## Friendly Notes

### Counting

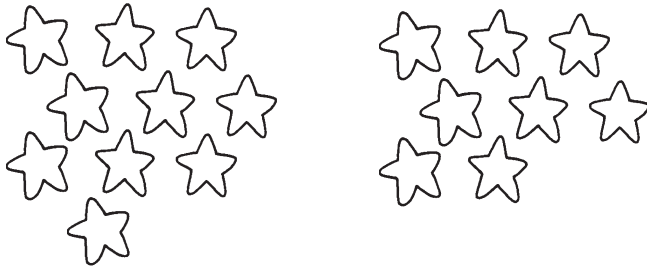
These are the numbers 11 to 20.

We learn to count and write these numbers in words.

11 eleven	
12 twelve	
13 thirteen	
14 fourteen	
15 fifteen	
16 sixteen	
17 seventeen	
18 eighteen	
19 nineteen	
20 twenty	

To make bigger numbers easier to count, we can make groups of 10 first.

Count the stars.

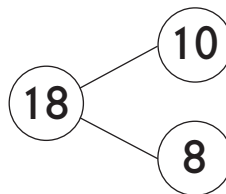


Count on from 10:  
10, 11, 12, ... 18

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.

A

B

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:

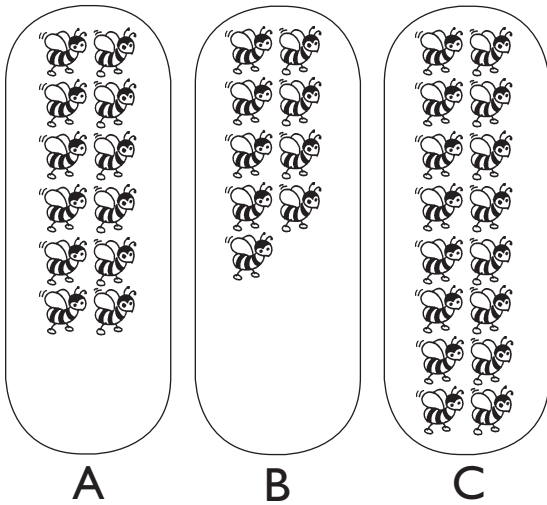
**greater than**

**smaller than**

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

**the greatest**

**the smallest**



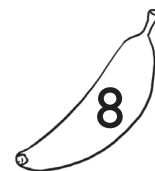
9 is smaller than 12 and 16.  
9 is the smallest.  
16 is greater than 9 and 12.  
16 is the greatest.



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

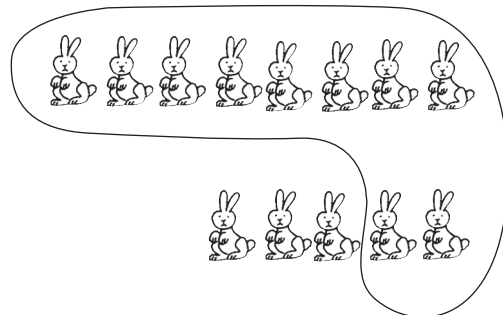
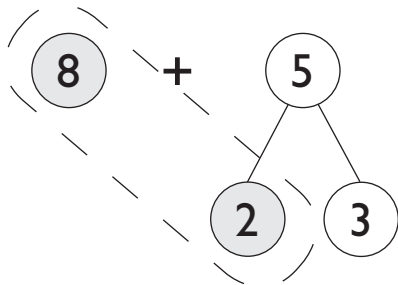
# Addition

We can first make 10 to help us add.

Add 8 and 5.

**Step 1:** Add 8 and 2 to make 10.

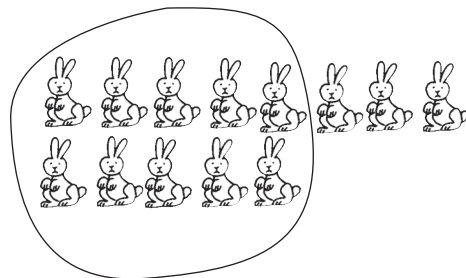
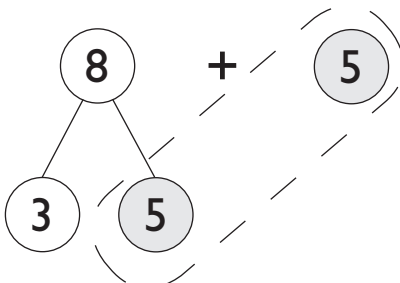
**Step 2:** Add 10 and 3. We get 13.



OR

**Step 1:** Add 5 and 5 to make 10.

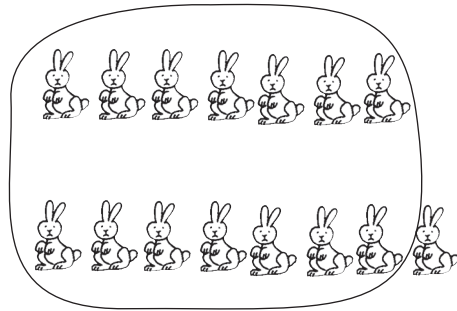
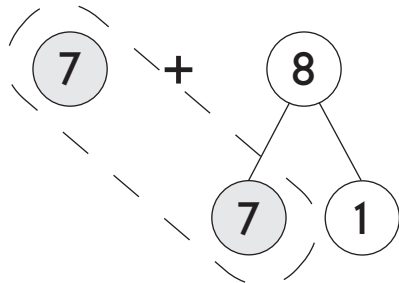
**Step 2:** Add 10 and 3. We get 13.



We can add using known facts.

**Step 1:** Add 7 and 7 to make 14.

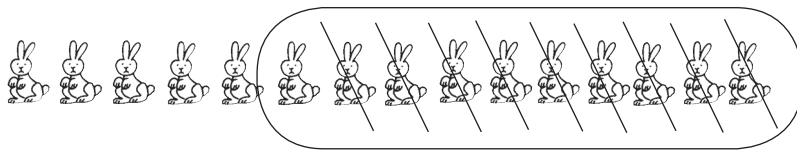
**Step 2:** Add 14 and 1. We get 15.



## Subtraction

We can first make 10, then subtract.

Subtract 9 from 15.

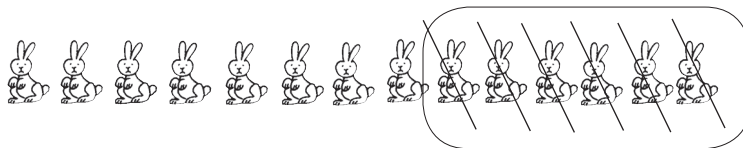


**Step 1:** We make a 10.

**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



$$6 + 5 = 11$$

$$5 + 6 = 11$$

$$11 - 5 = 6$$

$$11 - 6 = 5$$

