

Unit 11 : Numbers to 40

Friendly Notes

Counting

These are numbers 21 to 40.

We learn to count and write these numbers in words.

Number	Number in Words
21	twenty-one
22	twenty-two
23	twenty-three
24	twenty-four
25	twenty-five
26	twenty-six
27	twenty-seven
28	twenty-eight
29	twenty-nine
30	thirty

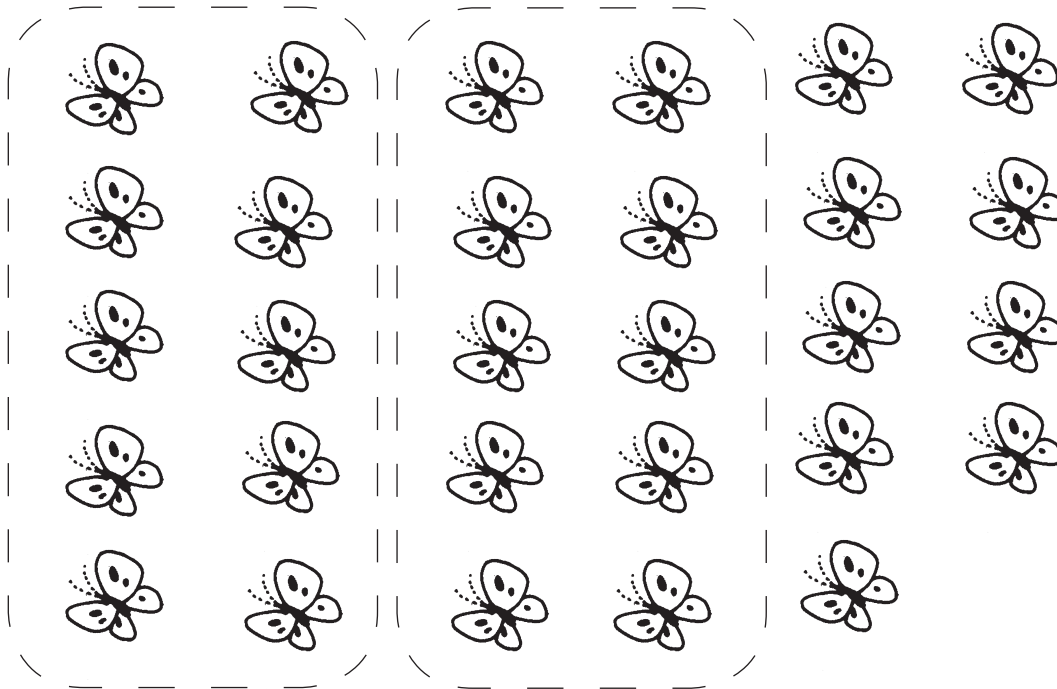
Number	Number in Words
31	thirty-one
32	thirty-two
33	thirty-three
34	thirty-four
35	thirty-five
36	thirty-six
37	thirty-seven
38	thirty-eight
39	thirty-nine
40	forty



We write 40 in words without the 'u': forty.

To count numbers more than 10, we can make groups of 10 first.

How many butterflies are there?



10, 20, 21, 22, 23, 24,
25, 26, 27, 28, 29.

29 is 20 and 9.

$$20 + 9 = 29$$

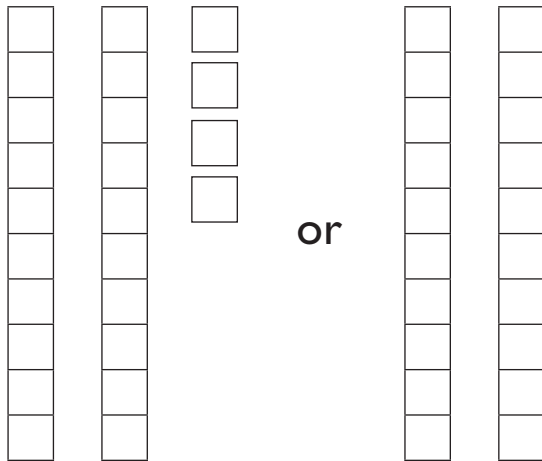
There are 29 butterflies.



Tens and Ones

We can count and write numbers in tens and ones.
It is easy to compare numbers written as tens and ones.

(a) Which is smaller, 24 or 20?



24 is 4 more than 20.



24 = 2 tens 4 ones

20 = 2 tens

20 is smaller.

(b) Circle the smallest number.
Underline the greatest number.

15

20

24

37

15 is 1 ten and 5 ones.

20 is 2 tens.

24 is 2 tens and 4 ones.

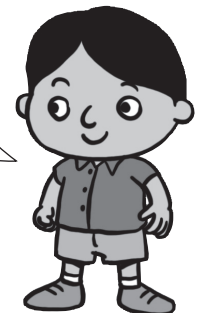
37 is 3 tens and 7 ones.

1 ten is the smallest.

15 is the smallest number.

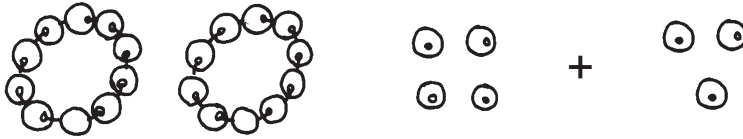
3 tens is the greatest.

37 is the greatest number.



Addition Within 40

(a) $24 + 3 = ?$



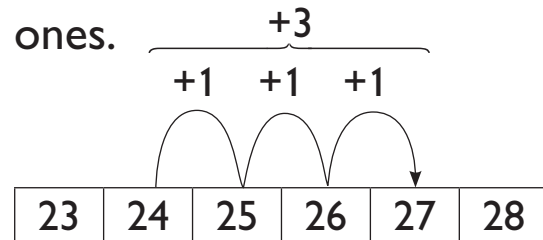
Step 1: Add the ones first.

Add 4 ones and 3 ones.

$$4 + 3 = 7$$

Step 2: Add 20 and 7.

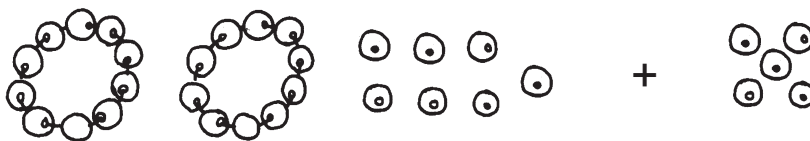
$$20 + 7 = 27$$



So, $24 + 3 = 27$.

To add bigger numbers, we can make a 10 first.

(b) $27 + 5 = ?$

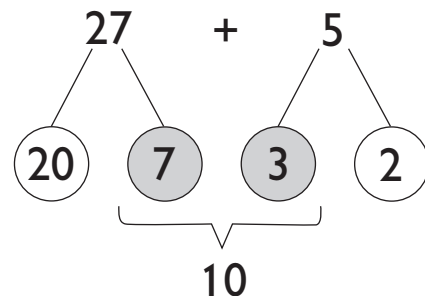


Step 1: Add 27 and 3.

$$27 + 3 = 30$$

Step 2: Add 30 and 2.

$$30 + 2 = 32$$

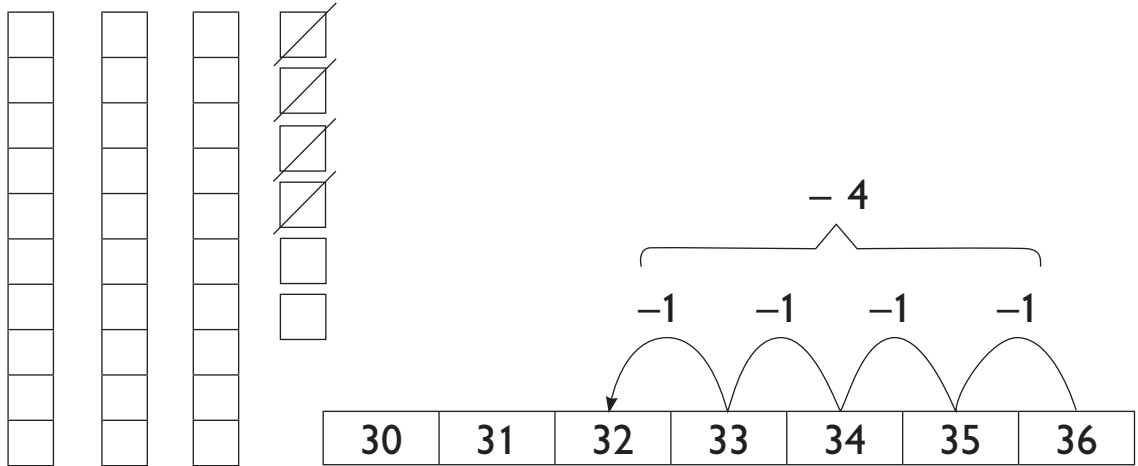


So, $27 + 5 = 32$.

Subtraction Within 40

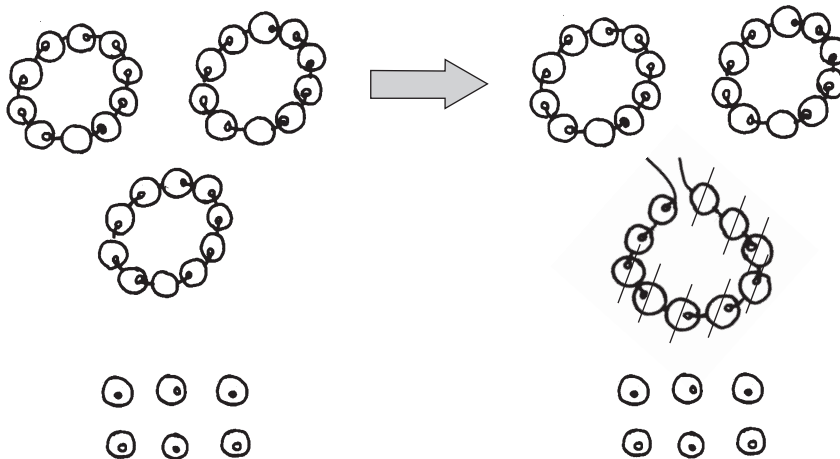
(a) $36 - 4 = ?$

We subtract the ones.



(b) $36 - 8 = ?$

We cannot take away 8 ones from 6 ones.
So, we take away from the tens.



$$\begin{array}{r}
 36 \\
 - 8 \\
 \hline
 \end{array} = 28$$

The diagram shows the number 36 being decomposed into 26 and 10. A dashed line indicates that 8 is subtracted from the 10, leaving 2. The final result is 26 + 2 = 28.

Adding Three Numbers

There are different ways to add three or more numbers.

(a) $4 + 5 + 1 = ?$

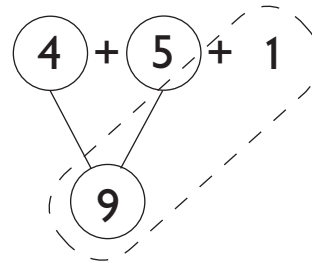
Add 4 ones and 5 ones.

$$4 + 5 = 9$$

Then we add 9 and 1.

$$9 + 1 = 10$$

So, $4 + 5 + 1 = 10$.

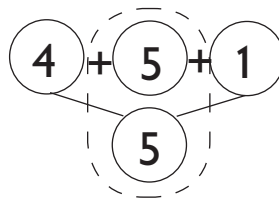


OR

$$4 + 1 = 5$$

$$5 + 5 = 10$$

$$4 + 5 + 1 = 10$$



(b) $7 + 5 + 8 = ?$

We can make a 10 first.

Add 5 ones and 5 ones.

$$5 + 5 = 10$$

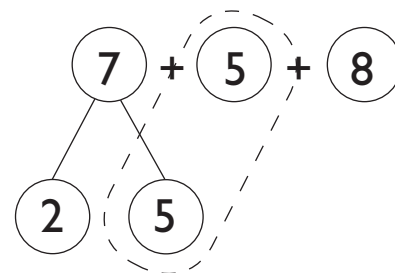
Next we add 2 and 10.

$$2 + 10 = 12$$

Then we add 12 and 8.

$$12 + 8 = 20$$

So, $7 + 5 + 8 = 20$.



We can add in any order:

$$7 + 5 + 8 = 20$$

$$8 + 5 + 7 = 20$$

$$5 + 7 + 8 = 20$$

