Learn About

Building Number Sense: Place Value and Writing Numbers
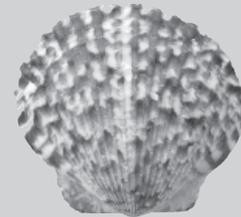
Numbers are made of digits. Each digit has a **place value.** The value depends on the digit's place in a number. The chart shows the place values of the digits in the number 724. The value of the 2 in this number is 20.

hundreds (100)	tens (10)	ones (1)
7	2	4

The number 724 has 7 hundreds, 2 tens, and 4 ones.
Numbers can be written in different ways.
- Standard form: 724
- Word form: seven hundred twenty-four
- Expanded form: 700 + 20 + 4

Tara and her family collected 46 seashells at the beach. Write the number 46 in word form. What is the value of the 4 in the number 46?

The number 46 in word form is **forty-six.**
The 4 is in the tens place.
Four tens equals 40.
The value of the 4 is **40.**

Remember:

Each digit in a number has a **place value.** The value of a digit depends on its place in a number. Numbers can be written in standard, word, or expanded form.
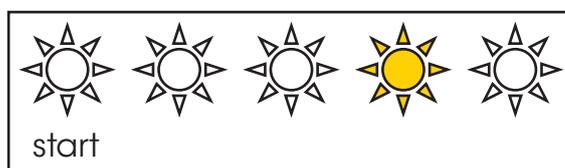
Counting is listing numbers in order from least to greatest. Counting can help you find what number comes just before or just after another number. This counting list shows that the number 2 comes just before 3 and just after 1.

$$1, 2, 3, 4, 5$$

Number words such as *first, second* and *fifth* show the position of something in a row or line. The fourth sun in this row is shaded.

start

Here are the numbers and words for the numbers 1 to 10.

1 one first	2 two second	3 three third	4 four fourth	5 five fifth	6 six sixth	7 seven seventh	8 eight eighth	9 nine ninth	10 ten tenth

Adam counted 13 birds at the bird feeder. What number comes just after 13?

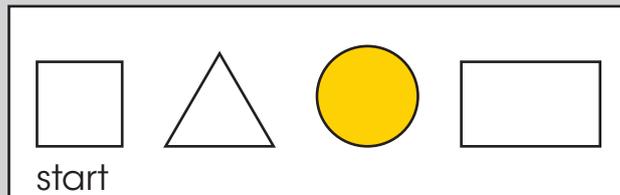Starting at 10, you can count to find the number just after 13: 10, 11, 12, 13, 14.
The number just after 13 is **14.**

Remember:

Counting is listing numbers in order from least to greatest. Counting can help you find what number comes just before or just after another number. Number words such as *first, second* and *fifth* show the position of something in a row or line.

Building Number Sense

Laura is learning about shapes in maths class. She saw a row of shapes on page 143 of her maths book. Laura's teacher told the class the name of each shape in the row.

1. What is the value of the 3 in the number 143?

Ⓐ 3 ones

Ⓑ 4 ones

Ⓒ 3 tens

Ⓓ 3 hundreds

2. In what place is the shaded circle?

Ⓐ first

Ⓑ second

Ⓒ third

Ⓓ fourth

1. What is the value of the 3 in the number 143?

● 3 ones

This is the correct answer. The 3 is in the ones place. Look at the place-value chart below. There are 3 ones.

Ⓑ 4 ones

This is not the correct answer. The 3 is in the ones place. There are 3 ones, not 4 ones.

Ⓒ 3 tens

This is not the correct answer. The 3 is in the ones place, not the tens place. There are 3 ones, not 3 tens.

Ⓓ 3 hundreds

This is not the correct answer. The 3 is in the ones place, not the hundreds place. There are 3 ones, not 3 hundreds.

hundreds (100)	tens (10)	ones (1)
1	4	3

2. In what place is the shaded circle?

Ⓐ first

This is not the correct answer. Starting with the square labelled *start*, count the shapes. The shaded circle is number three. It is the third shape in the row, not the first.

Ⓑ second

This is not the correct answer. Starting with the square labelled *start*, count the shapes. The shaded circle is number three. It is the third shape in the row, not the second.

● third

This is the correct answer. Starting with the square labelled *start*, count the shapes. The shaded circle is number three. It is the third shape in the row.

Ⓓ fourth

This is not the correct answer. Starting with the square labelled *start*, count the shapes. The shaded circle is number three. It is the third shape in the row, not the fourth.

Train Station

Lee and her mum took the train to Lee's grandmother's house. Lee was very happy about taking a train. The train station was big! It had many trains inside. The station had a ticket office and benches to sit on while waiting for the train. Lee knew this would be a fun trip.

1. Lee's ticket said she needed to get on train 852. What is the place value of the 8 in the number 852?

Ⓐ ones
Ⓑ tens
Ⓒ hundreds
Ⓓ thousands

2. Which of these is 852 in word form?

Ⓐ fifty-two
Ⓑ eight hundred and fifty-two
Ⓒ five hundred and eighty-two
Ⓓ two hundred and eighty-five