

Grade 2 - Place Value to 1,000 - Lesson

Common Core 2.NBT.A.1, 2.NBT.A.3 · maths-pdf.fr/en/

This **numbers to 1000 lesson** for 2nd Grade covers place value to 1,000 (Common Core 2.NBT.A.1, 2.NBT.A.3), with a free PDF to print.

Place value tells how much a digit is worth by where it sits. In a three-digit number, the digits show hundreds, tens and ones. In 358, the 3 means 300, the 5 means 50 and the 8 means 8. Ten tens make 100, and ten hundreds make 1,000.

Grade 2 · Common Core State Standards: **2.NBT.A.1, 2.NBT.A.3**

Key facts in this numbers to 1000 lesson

Key facts

- A three-digit number has hundreds, tens and ones.
- 10 ones make 1 ten, and 10 tens make 1 hundred.
- 10 hundreds make 1,000.
- Numbers can be written in standard, expanded and word form.
- A zero in a place means there are none of that unit.

What is place value?

Every digit in a number has a job. Its job depends on where it sits. In 245, the 2, the 4 and the 5 are worth different amounts, even though they are all just digits.

Place value

A three-digit number has a **hundreds** place, a **tens** place and a **ones** place. The place tells how much each digit is worth.



Base-ten blocks for 245: 2 flats, 4 rods and 5 small cubes.

Look at the blocks. A flat is 100, a rod is 10, and a small cube is 1. So 245 is 2 hundreds, 4 tens and 5 ones.

How do you read a three-digit number?

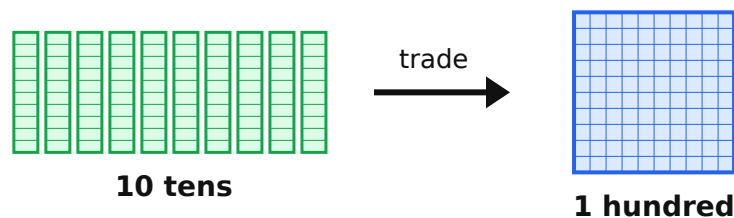
Read the hundreds first, then the tens and ones together. Put the digits in a place-value chart to see their worth.

Hundreds	Tens	Ones
3	5	8
300	50	8

In 358, the 3 is worth 300, the 5 is worth 50 and the 8 is worth 8.

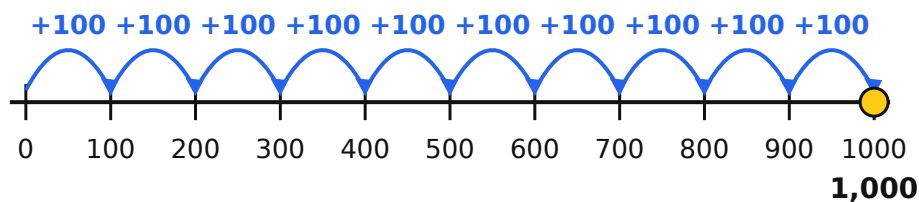
Why do 10 tens make 100?

Count ten rods and you have 100. Trade them for one flat. This is why the place to the left of the tens place is the hundreds place.



Ten tens make one hundred.

Count by hundreds and you get 100, 200, 300 and so on. Ten hundreds make 1,000.



Ten jumps of 100 land on 1,000.

How do you write a number three ways?

Form	Example
Standard form	358
Expanded form	$300+50+8$

Form	Example
Word form	three hundred fifty-eight

Here is a method. Try it on 604, a number with a zero.

1. Name each place. 604 has 6 hundreds, 0 tens and 4 ones.
2. Write each value. The 6 is worth 600, the 0 is worth 0 and the 4 is worth 4.
3. Add the values to build the expanded form: $600+0+4$, or $600+4$.
4. Say the number. A zero in the tens place is skipped: six hundred four.

Remember that a zero holds a place. Without it, 604 would look like 64.

Numbers to 1000 lesson: questions and answers

What are the three places in a three-digit number?

The places are hundreds, tens and ones, from left to right. In 726, the 7 is in the hundreds place, the 2 is in the tens place and the 6 is in the ones place.

How many tens make 100?

Ten tens make 100. You can see this by trading ten rods for one flat in base-ten blocks, or by counting by 10s ten times.

What is expanded form?

Expanded form shows the value of each digit added together. For 482 it is $400 + 80 + 2$.

How do you write a number with a zero, like 305?

Write 3 hundreds and 5 ones with a 0 in the tens place. Its expanded form is $300 + 5$ and its word form is three hundred five.

How many hundreds make 1,000?

Ten hundreds make 1,000. Counting by 100s ten times gives 100, 200, 300 and so on up to 1,000.

How to use this numbers to 1000 lesson

Read the definitions first, then follow the worked method line by line and redo the example on paper without looking. When every step makes sense, move on to the worksheet, then check yourself with the quiz.

Download the numbers to 1000 lesson as a PDF with the button below and keep it with your notes.