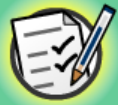


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Place Value 2



Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) Make sense of problems and persevere in solving them.**
- 2) Reason abstractly and quantitatively.**
- 3) Construct viable arguments and critique the reasoning of others.**
- 4) Model with mathematics.**
- 5) Use appropriate tools strategically.**
- 6) Attend to precision.**
- 7) Look for and make use of structure.**
- 8) Look for and express regularity in repeated reasoning.**



This icon indicates that the slide contains activities created in Flash. These activities are not editable.



This icon indicates teacher's notes in the Notes field.



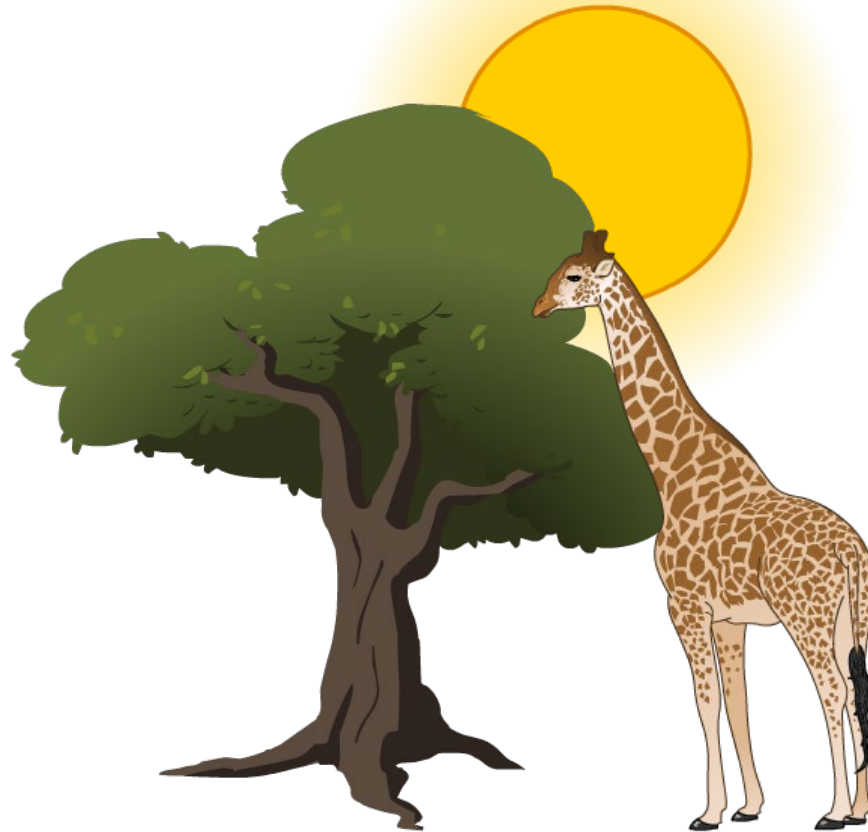
How many big numbers can you think of? Can you think of any examples from real life?

The number of days in one year.

The number of leaves on a tree.

The height of a giraffe.

Can you think of any other examples?

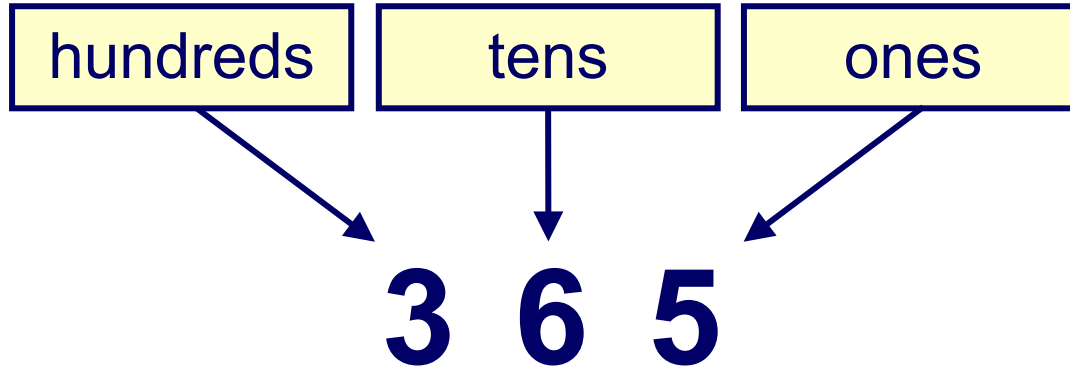


Thinking about numbers

Let's remember what we know about numbers.

A horizontal toolbar with a grid of small squares above it. On the left, there are icons for a trash can, a yellow highlighter, a wavy line, and a pencil. On the right, there are five orange circular buttons: a double left arrow, a single right arrow, a double right arrow, a circular arrow, and a question mark.

Three-digit numbers are made of **hundreds, tens and ones**.



How many **hundreds** are there?

How many **tens** are there?

How many **ones** are there?



Drag the hundreds, tens and ones into the correct order.

236

3 hundreds, 2 tens, 6 ones

326

4 hundreds, 7 tens, 8 ones

362

7 hundreds, 4 tens, 8 ones

478

7 hundreds, 8 tens, 4 ones

748

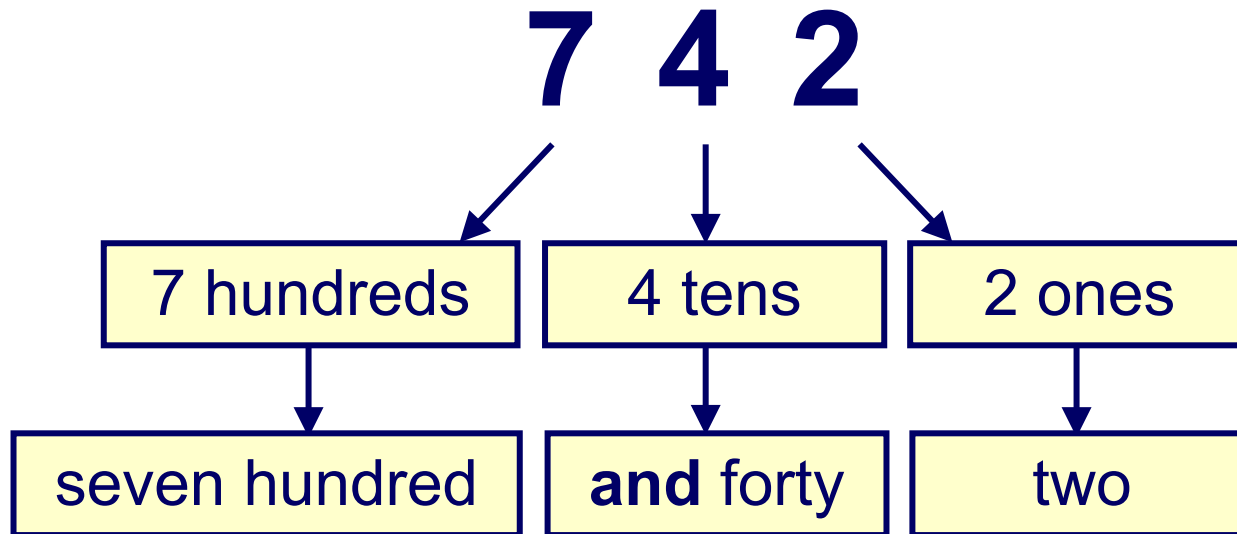
3 hundreds, 6 tens, 2 ones

784

2 hundreds, 3 tens, 6 ones



How would you say this number out loud?

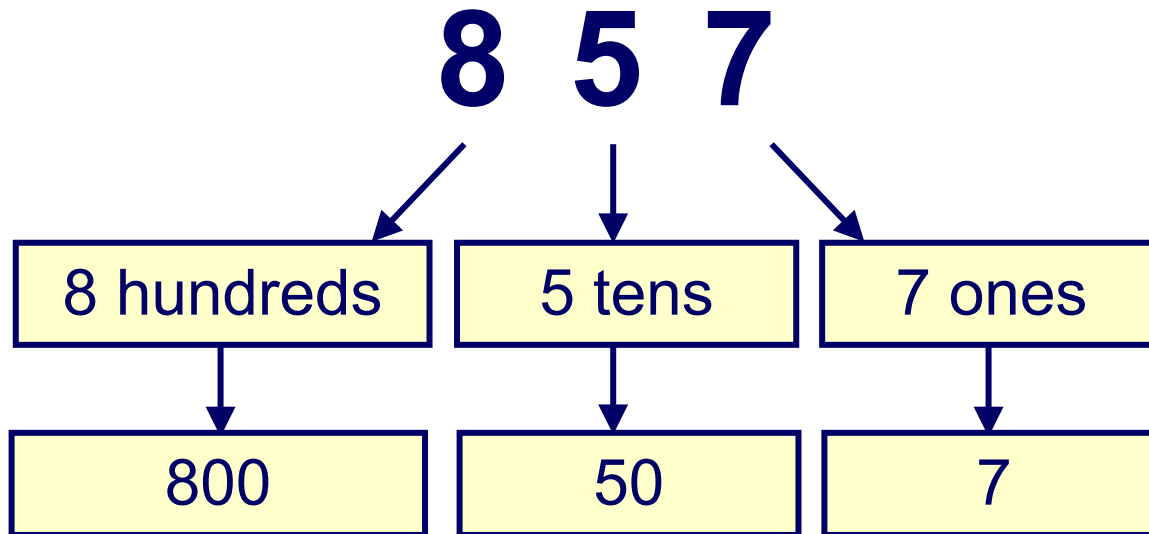


First decide how many hundreds, tens and ones there are.

Then add in the words like this:

Seven hundred and forty two.

Expanded form is a way of writing out a number to show how much each of the digits represents.



First decide how many hundreds, tens and ones there are.

Then add in the value of each digit like this:

$$800 + 50 + 7$$





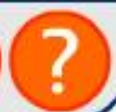
Can you count to **1,000**?

Press the white boxes to see the displayed number in word and expanded forms.

Use the scrollers to change the displayed number and count as the number changes!

Press **start** to begin.

start





Skip counting

How long would it take you to count to 1000?



Comparing numbers using signs

We can use three signs to compare numbers.



Number signs practice



Add the correct sign for each box.

125 < 215

918 < 981

621 > 612

705 = 705

985 = 985

594 > 494





9

Test your knowledge of **number signs!**
Look at the numbers and then
touch the mole holding the right
number sign before the timer ends.

Press **start** to begin.

start

Score:
0/8

Get ready for the first numbers...

