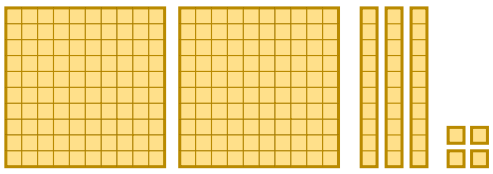
Names (pair) _____ Date _____

Place Value

Example

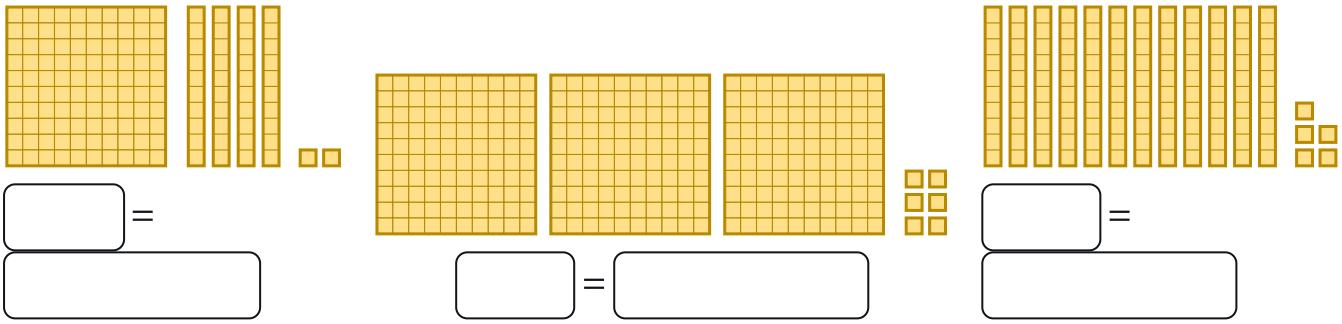


2 hundreds, 3 tens and 4 ones: that is the number 234.

$234 = 200 + 30 + 4$

Ten units make a rod, ten rods make a flat. Here the digit 2 is worth 200, because it is in the hundreds place.

1 ON YOUR OWN Which number is shown? Write it in digits and as a sum.



The third picture has 12 rods. What exchange can you make? How does the picture change then, and how does the number change?

2 IN PAIRS Write the digits in the table and work out what the digit 7 is worth.

number	Th	H	T	O	value of the digit 7
7,315					
4,870					
9,007					
725					
3,570					

Names (pair) _____ Date _____

Remember

The value of a digit depends on its **place**. Ten ones make one ten, ten tens one hundred, ten hundreds one thousand. **Zero holds a place**: the number 305 has no tens, but without the zero it would be 35. We read large numbers in groups of three digits: 2,405,090 is "two million, four hundred and five thousand and ninety".

3 ON YOUR OWN The same number written in different ways. Complete.

1,300 = ☐ hundreds

1,300 = ☐ tens

430 = 4 hundreds and 3 tens

430 = 3 hundreds and ☐ tens

2,450 = 2,000 + ☐ + 50

6,008 = 6 thousands and ☐ ones

4 IN PAIRS Write in digits or in words.

in words	in digits
forty thousand, seven hundred and two	☐
three million sixty thousand	☐
☐	508,030

5 IN PAIRS **Find the mistake.** Luke wrote "four thousand and five" as 40,005, and Iva wrote "two hundred thousand" as 2,000,000. What went wrong? How would you help them?

6 ON YOUR OWN CHALLENGE Using the digits 0, 3, 5 and 8 (each once), make the greatest and the smallest four-digit number. What is the difference between them?

greatest: ☐ smallest: ☐ difference: ☐

The Place Value Blocks app · otooly.com/place-value-blocks

Whole numbers mode: make 1,300 out of flats (hundreds) only. How many do you need? Exchange 10 flats for a cube and watch how the place value table changes.

★ ON YOUR OWN **Exit card.** In the number 40,702 the digit 7 is worth ☐. In digits: six thousand and thirty = ☐