

# Read About Place Value: Ones, Tens & Hundreds

## WHAT IS PLACE VALUE ONES, TENS & HUNDREDS?

1 ten is the same as 10 ones. 1 hundred is the same as 10 tens. In the number 324, the 3 is in the hundreds place. Its value is 300.

*To better understand place value: ones, tens & hundreds...*

## LET'S BREAK IT DOWN!

### Fruit Punch: Strawberries

99 has 9 tens and 9 ones. Add 1 more one. 9 tens and 10 ones is the same as 10 tens. 10 tens is 1 hundred. 103 has 1 hundred, 0 tens, and 3 ones. **Try this one yourself. You have 1 hundreds block and 2 ones blocks. How many blocks do you have? How many strawberries do you have?**



## Fruit Punch: Blueberries and Raspberries

You need 123 blueberries for fruit punch. 123 is 1 hundred, 2 tens, and 3 ones. You need 157 raspberries for fruit punch. 157 is 1 hundred, 5 tens, and 7 ones. **Try this one yourself.** **How do you show 143 blackberries with base-ten blocks?**



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## Ball Pit

There are 359 balls in a ball pit. 359 is 3 hundreds, 5 tens, and 9 ones. Add 1 more ball. Now there are 360 balls in the ball pit. Another pit has 599 balls. Add 1 more. Now there are 600 balls in the ball pit. **Try this one yourself.** **Show 406 with base-ten blocks.**



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## Cupcakes

You have 230 cupcakes. The 2 is in the hundreds place. You can make 2 groups of 100 cupcakes. The 3 is in the tens place. You can make 3 groups of ten cupcakes. **Try this one yourself.** **How many trays that hold 100 and how many trays that hold 10 do you need for 540 cupcakes?**



## PLACE VALUE: ONES, TENS & HUNDREDS VOCABULARY

### Place value

The value of a digit is based on its position in a number.

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### Ones

A place in the place-value system that has a value of 1.

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### Tens

A place in the place-value system that has a value of 10.

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### Hundreds

A place in the place-value system that has a value of 100.

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### Digit

A numeral from 0 to 9 that forms part of a number.

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### More

A greater number has more. When you have 10 more than a number, you are adding 10 to that number.

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## PLACE VALUE: ONES, TENS & HUNDREDS DISCUSSION QUESTIONS

### What is the value of each digit in 378? How do you know?

The digit 3 has a value of 3 hundreds, or 300, because it is in the hundreds place. The digit 7 has a value of 7 tens, or 70, because it is in the tens place. The digit 8 has a value of 8 ones, or 8, because it is in the ones place.

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### Represent 256 with base-ten blocks.

2 hundreds blocks, 5 tens blocks, 6 ones blocks.

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### Show 4 hundreds and 5 ones blocks. Ask students to write the number that is represented by the blocks.

405.

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### Show 3 hundreds, 12 tens, and 5 ones blocks. Ask students to write the number that is represented by the blocks. Have them explain how they got the answer.

425; there are 12 tens. I can't write a 2-digit number like 12 in the tens place, so I write 2 in the tens place and regroup 10 tens to be 1 hundred. Now I have 1 more hundred in the hundreds place.

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### What number do you get when you add 1 to 399? Explain.

When I add 1 to 399, I add 1 to the 9 in the ones place and get 10. I write a 0 in the ones column and regroup 10 ones as 1 ten. Now I have 10 tens, so I write a 0 in the tens column and regroup 10

tens as 1 hundred. Now I have 4 hundreds. So when I add 1 to 399, I get 400.

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