

Understanding Place Value

Learning Objective: Today, we will learn to identify the value of each digit in a number up to 999.

Place value tells us that a digit's value depends on its position in a number. We look at three main places: **Hundreds**, **Tens**, and **Ones**.

Let's Break It Down!



352 = 3 Hundreds + 5 Tens + 2 Ones

Your Turn! Practice Time

Write the numbers in the chart and identify the value of each digit.

Number	Hundreds	Tens	Ones
246			
507			
183			
676			

Decomposition Practice

Break down each number into its place value parts.

821 = hundreds + tens + ones

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Match It Up!

Draw a line to connect the number to its matching representation.

482

1 hundred + 5 tens + 9 ones

703

600 + 20

159

400 + 80 + 2

620

7 hundreds + 0 tens + 3 ones

Mystery Digit

Use the clues to find the missing digit in each number.

1. The number 3_6 has 3 hundreds, 7 tens, and 6 ones. What is the missing digit?

2. The number 84_ has 8 hundreds, 4 tens, and 3 ones. What is the missing digit?

3. The number _27 has 1 hundred 2 tens and 7 ones. What is the missing digit?

Place Value Puzzles

1. Sam has 2 hundreds, 4 tens, and 7 ones. How many items does Sam have altogether?

2. The bakery made 5 hundred cupcakes, 0 tens, and 9 single cupcakes. How many cupcakes did they make?

Number Building Challenge

1. Use the digits **2, 5, and 8** to make the largest possible number.

2. Use the digits **9, 4, and 6** to make the smallest possible number.

Check Your Understanding

How confident do you feel about place value? Circle your choice.

Getting the hang of it

Feeling Confident

I'm an Expert!

Write one new thing you learned about place value today.