

Identifying the Place Value of Numbers

Place value is the value of a digit depending on its position in a number. We can **identify the place value of a digit** using a place value chart.

To identify the place value of a digit:

1. Use or draw a place value chart.
2. Write the number in the place value chart or represent it with base-10 equipment.
3. Identify the digit.
4. What is the place value of the column?
5. State the place value of the digit.

Example: What is the place value of the 4 in the number 8,452?

Thousands			Ones		
Hundreds	Tens	Units	Hundreds	Tens	Units
		8	4	5	2

Answer: 4 hundreds or 400

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Example: What is the place value of the 5 in the number 123,456,789?

Millions			Thousands			Ones		
Hundreds	Tens	Units	Hundreds	Tens	Units	Hundreds	Tens	Units
1	2	3	4	5	6	7	8	9

Answer: 5 ten thousands or 50,000

Example: What is the place value of the 2 in the number 4.321?

Ones			Decimals		
Hundreds	Tens	Units	Tenths $\frac{1}{10}$	Hundredths $\frac{1}{100}$	Thousandths $\frac{1}{1000}$
		4	3	2	1

Answer: 2 hundredths or $\frac{2}{100}$