

Place Value

Whole Numbers

Digits & Numbers

- All numbers are made of digits.
- There are ten digits: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

How many digits?

■ 13 2

■ 6,587 4

■ 4 1

■ 555 3

Digits & Numbers

The numbers or digits before the decimal form the **whole number**.

654,839,123.0

Which digits are the whole numbers?

■ 34.67

3 & 4

■ 1.7649

1

■ 2,765.0

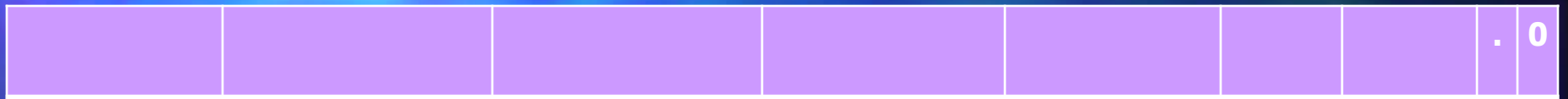
2, 7, 6, & 5

■ 12,659.4

1, 2, 6, 5, & 9

Place Value

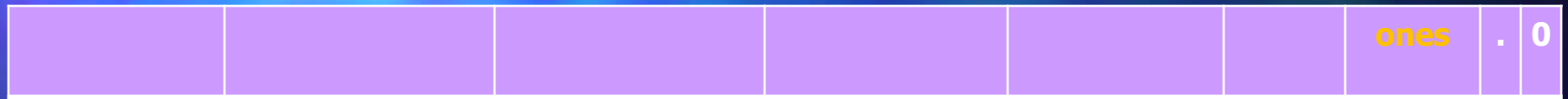
Each digit has a place value name that is based on the location of the digit



4,839,123.0

Place Value

Each digit has a place value name that is based on the location of the digit



4,839,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

					tens	ones	.	0
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4,839,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

				hundreds	tens	ones	.	0
--	--	--	--	----------	------	------	---	---

4,839,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

			thousands	hundreds	tens	ones	.	0
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4,839,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

		ten thousands	thousands	hundreds	tens	ones	.	0
--	--	------------------	-----------	----------	------	------	---	---

4,8**3**9,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

	hundred thousands	ten thousands	thousands	hundreds	tens	ones	.	0
--	------------------------------	------------------	-----------	----------	------	------	---	---

4,**8**39,123.0

Place Value

Each digit has a place value name that is based on the location of the digit

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones	.	0
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4,839,123.0

What is the name of the place value?

4,839,123.0

Ten Thousands

What is the name of the place value?

4,839,123.0

Hundreds

What is the name of the place value?

4,839,123.0

Ones

What is the name of the place value?

4,839,123.0

Millions

What is the name of the place value?

4,839,123.0

Hundred Thousands

What is the name of the place value?

4,839,123.0

Thousands

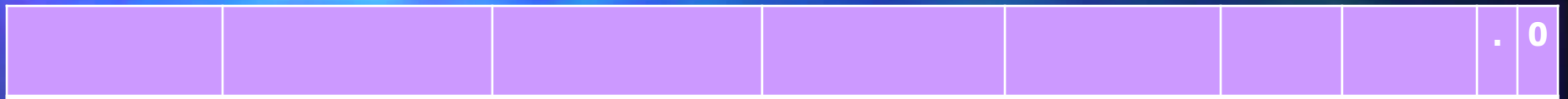
What is the name of the place value?

4,839,123.0

Tens

Place Value

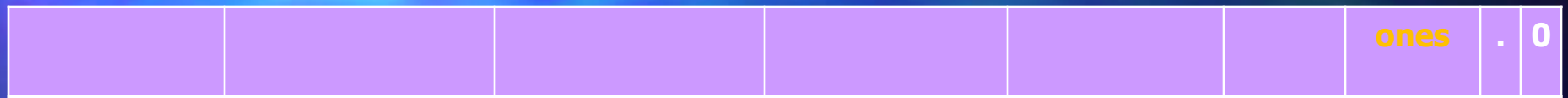
Each location has a value. This is know as the place value of the digit in the number.



4,839,123.0

Place Value

Each location has a value. This is known as the place value of the digit in the number.



4,839,123.0

The digit 3 has a value of 3 ones = 3

Place Value

Each location has a value. This is known as the place value of the digit in the number.

					tens	ones	.	0
--	--	--	--	--	------	------	---	---

4,839,1**2**3.0

The digit 2 has a value of 2 tens = 20

Place Value

Each location has a value. This is know as the place value of the digit in the number.

				hundreds	tens	ones	.	0
--	--	--	--	----------	------	------	---	---

4,839,123.0

The digit 1 has a value of 1 hundred = 100

Place Value

Each location has a value. This is know as the place value of the digit in the number.

			thousands	hundreds	tens	ones	.	0
--	--	--	-----------	----------	------	------	---	---

4,839,123.0

The digit 9 has a value of 9 thousands = 9,000

Place Value

Each location has a value. This is know as the place value of the digit in the number.

		ten thousands	thousands	hundreds	tens	ones	.	0
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4,839,123.0

This digit 3 has a value of 3 ten thousands = 30,000

Place Value

Each location has a value. This is known as the place value of the digit in the number.

	hundred thousands	ten thousands	thousands	hundreds	tens	ones	.	0
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4,839,123.0

The digit 8 has a value of
8 hundred thousands = 800,000

Place Value

Each location has a value. This is know as the place value of the digit in the number.

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones	.	0
----------	-------------------	---------------	-----------	----------	------	------	---	---

4,839,123.0

The digit 4 has a value of
4 millions = 4,000,000