

Numbers to Thousandths and Beyond



Quick Review

► You can use a place-value chart to show decimals.

Tens	Ones	Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred-Thousandths	Millionths
2	4	• 3	0	4	9		
↑	↑	↑	↑	↑	↑		
20	4	0.3	0.00	0.004	0.0009		

We read this number as:

twenty-four and three thousand forty-nine ten-thousandths

We can write this number in:

• standard form: 24.3049

• expanded form:

2 tens + 4 ones + 3 tenths + 0 hundredths + 4 thousandths + 9 ten-thousandths = 20 + 4 + 0.3 + 0.004 + 0.0009

Try These

1. Use the place-value chart to show each number.

a) 5.3678

b) 0.002 54

c) 27.631

d) 0.000 004

	Tens	Ones	Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred-Thousandths	Millionths
a)			•					
b)			•					
c)			•					
d)			•					

2. Write 0.003 21 in words.

Practice

1. Write each number in expanded form.

a) 1.3062 _____

b) 32.459 62 _____

c) 0.000 72 _____

2. Write each number in standard form.

a) 2 and 32 ten-thousandths _____

b) 17 millionths _____

c) 4 hundred-thousandths _____

3. Write a number with a 7 in:

a) the hundred-thousandths position _____

b) the millionths position _____

c) the thousandths position _____

4. Write each number in words.

a) 0.562 37 _____

b) 3.146 626 _____

Stretch Your Thinking

Use the digits 0, 2, 3, 5, and 6. Make a number that is greater than 1 but less than 4. Find as many numbers as you can.
