

Learning Target: Read and write decimals in different forms.

Success Criteria:

- I can read and write a decimal in standard form.
- I can read and write a decimal in word form.
- I can read and write a decimal in expanded form.

Think and Grow



Key Idea

In a place value chart, whole numbers are to the left of the decimal point. Decimals are to the right of the decimal point.

Ones Period				Decimals		
Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
		7	.	8	4	
		7 ones		8 tenths	4 hundredths	
		7		0.8	0.04	

The number 7.84 is read as "seven and eighty-four hundredths."

Example Write 3.61 in word form and expanded form.

Ones Period				Decimals		
Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
		3	.	6	1	

Word form:

Expanded form: $3 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

Show and Grow

1. Write the number in two other forms.

Standard form:

Word form: two and thirteen hundredths

Expanded form:

Practice

Name _____

Write the number in two other forms.

2. Standard form:

Word form:

Expanded form: $1 + 0.4 + 0.03$

3. Standard form: 9.05

Word form:

Expanded form:

4. **Which One Doesn't Belong?** Which one does *not* belong with the other three?

$$1 \times 1 + 7 \times \frac{1}{10} + 1 \times \frac{1}{100}$$

0.71

seventy-one hundredths

Ones	.	Tenths	Hundredths
0	.	7	1

5. **Modeling Real Life** The record for the longest tongue on a dog is about 7.31 inches. Write the length in word form and expanded form.

6. **Modeling Real Life** You hold your breath for nine and fifty-six hundredths seconds. Write the time in standard form and expanded form.

7. **DIG DEEPER!** Use the values to compose the greatest possible number. Write the number in standard form.

eleven

0.09

seventy-five hundredths

0.5

9

four tenths

one hundredth

0.13