ALBERT

Name _____ Date _____

Reading and Writing Decimals Worksheet

Grade 5 · Common Core 5.NBT.A.3a

> Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., 347.392 = 3 × 100 + 4 × 10 + 7 × 1 + 3 × (1/10) + 9 × (1/100) + 2 × (1/1000).

Practice

Builds the skill step by step.

1. Write 0.7 as a fraction.

2. Write $\frac{45}{100}$ as a decimal.

3. Which is the word form of 0.36?

   A. thirty-six tenths

   B. thirty-six hundredths

   C. three and six tenths

   D. thirty-six thousandths

4. Write in standard form: six and four tenths.

5. Write $\frac{125}{1000}$ as a decimal.

6. Which is the expanded form of 3.25?

   A. 3 + 0.25 + 0.05

   B. 3 + 2 + 5

   C. 3 + 0.2 + 0.05

   D. 0.3 + 0.2 + 0.05

7. Write in standard form: four hundred seven thousandths.

8. Write in standard form: 5 + 0.3 + 0.08

9. What digit is in the hundredths place in 7.193?

10. Write in standard form: twelve and five hundredths.

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On Level

Grade-level practice.

1. Write 347.392 in expanded form using decimals.

2. Write in standard form: $4 \times 10 + 2 \times 1 + 6 \times \frac{1}{10} + 8 \times \frac{1}{1000}$

3. Which number is nine and twenty-three thousandths?

   A. 9.23

   B. 9.0023

   C. 923

   D. 9.023

4. Write in standard form: fifty and six hundred twelve thousandths.

5. Which shows 0.506 in expanded form?

   A. $5 \times \frac{1}{10} + 6 \times \frac{1}{100}$

   B. $5 \times \frac{1}{10} + 6 \times \frac{1}{1000}$

   C. $5 \times \frac{1}{100} + 6 \times \frac{1}{1000}$

   D. $50 \times \frac{1}{10} + 6 \times \frac{1}{100}$

6. Write in standard form: $8 \times 100 + 3 \times \frac{1}{100}$

7. Write $\frac{3}{1000}$ as a decimal.

8. What is the value of the digit 4 in 26.849?

9. Which number name matches 70.07?

   A. seventy and seven hundredths

   B. seven and seven tenths

   C. seventy and seven tenths

   D. seventy-seven hundredths

10. Write in standard form: $1 \times 10 + 9 \times \frac{1}{10} + 1 \times \frac{1}{100} + 5 \times \frac{1}{1000}$

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Challenge

Multi-step and word problems that stretch it.

1. Write the number that has 2 ones, 6 tenths, 0 hundredths and 3 thousandths.

2. Write in standard form: $7 \times \frac{1}{1000} + 5 \times 10 + 2 \times \frac{1}{10}$

3. Lana wrote "three and fourteen hundredths" as 3.014. What is correct?

   A. 3.14, because hundredths use two decimal places

   B. 3.014, because fourteen is a two-digit number

   C. 3.0014

   D. 314

4. Write in standard form: 0.3 + 0.04 + 0.009 + 20

5. How many thousandths are in 0.62?

6. What number is 4 tenths more than 2.785?

7. Which is equal to 1.4?

   A. 14 hundredths

   B. 14 tenths

   C. 1 and 4 hundredths

   D. 140 thousandths

8. Write in standard form: $9 \times 100 + 9 \times \frac{1}{1000}$

9. Write a number of the form 1.___ that uses the digits 5, 0 and 8 after the decimal point, each once, so that the number is as small as possible.

10. What number is thirty-four hundredths more than 6?