



# Place Value & Powers of 10

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: In 4.73 the digit 3 is in the tenths place.

Rewrite: \_\_\_\_\_

2. Fix the sentence: When you divide 820 by 100 you get 82.

Rewrite: \_\_\_\_\_

3. Fix the sentence: Multiplying 0.06 by 10 gives 6.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- In the number 12.58 the digit 5 is in the \_\_\_\_\_ place.
- $0.4 \times 100 =$  \_\_\_\_\_ .
- $350 \div 1,000 =$  \_\_\_\_\_ .
- The value of the 9 in 0.09 is nine \_\_\_\_\_ .

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. What happens to each digit in a number when you multiply by 10? Use the example  $3.45 \times 10$  in your answer.

\_\_\_\_\_  
\_\_\_\_\_

2. A student says  $72 \div 10 = 7.02$ . Is the student correct? Explain the mistake.

\_\_\_\_\_  
\_\_\_\_\_

**Part A: Fix the Sentence**

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1. Fix the sentence: In 4.73 the digit 3 is in the tenths place.

Rewrite: \_\_\_\_\_

2. Fix the sentence: When you divide 820 by 100 you get 82.

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3. Fix the sentence: Multiplying 0.06 by 10 gives 6.

Rewrite: \_\_\_\_\_

**Part B: Fill in the Blank**

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Write the missing word or number on each line.

1. In the number 12.58 the digit 5 is in the tenths place.

2.  $0.4 \times 100 =$  40 .

3.  $350 \div 1,000 =$  0.35 .

4. The value of the 9 in 0.09 is nine hundredths .

**Part C: Short Answer**

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Answer each question in one or two complete sentences.

1. What happens to each digit in a number when you multiply by 10? Use the example  $3.45 \times 10$  in your answer.

\_\_\_\_\_  
\_\_\_\_\_

2. A student says  $72 \div 10 = 7.02$ . Is the student correct? Explain the mistake.

\_\_\_\_\_  
\_\_\_\_\_