

# Understanding Powers of Ten

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## Review Worksheet for 5th Grade Math

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

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

Answer the following questions based on the lesson about Powers of Ten and decimal movements.

1. What happens to the decimal point when you multiply a number by 10?

- A. It moves left
- B. It moves right
- C. It stays in the same place

2. Explain how dividing a number by 10 affects its decimal placement. Provide an example.

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3. When multiplying by 1000, the decimal moves \_\_\_ places to the right.

4. Dividing by 1000 moves the decimal point to the right.

- True       False

5. How many places does the decimal move when multiplying by 100?

- A. One place
- B. Two places
- C. Three places

6. How do the patterns in decimal movements reflect God's love for order? Discuss in a few sentences.

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7. Each power of 10 shifts the decimal \_\_\_ place(s).

8. The decimal moves to the right when you divide by a power of 10.

- True       False

9. Where do we see precise measurements in nature that reflect these mathematical principles?

- A. In the structure of atoms
- B. In the height of mountains
- C. In the number of stars

10. What does Proverbs 3:19 teach us about God's role in creation and mathematics?

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Answer Key

1. moves right 2. Dividing by 10 moves the decimal left. Example: 5.0 becomes 0.5. 3. three 4. False 5. Two places 6. These patterns show that there is a predictable and orderly way that numbers work, which reflects God's nature as a creator who values precision and order. 7. one 8. False 9. In the structure of atoms 10. It teaches us that God used wisdom to create the earth and heavens, showing that math and order are part of His design.