

Solve each problem below using your knowledge of decimals.

1. An animation specialist replayed 79 of the 1,000 computer frames he created for a cartoon character. Write a decimal for the part of the frames the animation specialist replayed.

2. Write two hundred thirty-six thousand and six hundred ten thousandths as a decimal.

3. Use the digits 0, 4 and 6 and a decimal point to write five different decimals.

4. Write 3 decimals between 4.85 and 4.86 in order from least to greatest.

5. Write 3 decimals between 5.417 and 5.418 in order from least to greatest.

6. Write the smallest possible decimal between zero and one that uses the digits 9, 0, 4, 2, 5, and 7 exactly once.

7. Write the greatest possible decimal between zero and one that uses the digits 9, 0, 3, 1, 6 and 5 exactly once.

8. To make a miniature car, you need tires with a diameter between 0.385 inches and 0.391 inches. Will a tire that is 0.3795 inches in diameter work? Explain why or why not.
