Decimal Place Value Identification

Name: _____ Date: _____

Instructions: Answer the questions about the decimal numbers below. Write the value of each digit in the space provided.

Part A: Identify the Place Value

Write what place value position the underlined digit is in (e.g., tens, ones, tenths, hundredths, thousandths).

1. 24.<u>5</u>8 → The digit 5 is in the _____ place.
2. 3<u>7</u>.29 → The digit 7 is in the _____ place.
3. 16.4<u>3</u> → The digit 3 is in the _____ place.
4. 125.6<u>7</u>8 → The digit 7 is in the _____ place.
5. 0.0<u>4</u>2 → The digit 4 is in the _____ place.
6. <u>9</u>2.156 → The digit 9 is in the _____ place.

Part B: Write the Value of the Digit

Write the actual value of the underlined digit (e.g., 0.5, 70, 0.03).

7. 45.<u>6</u>2 → The value of the digit 6 is _____
8. 1<u>8</u>3.47 → The value of the digit 8 is _____
9. 72.3<u>9</u> → The value of the digit 9 is _____
10. 6.24<u>5</u> → The value of the digit 5 is _____
11. 0.<u>7</u>08 → The value of the digit 7 is _____
12. <u>3</u>04.26 → The value of the digit 3 is _____

Part C: Challenge Questions

13. In the number 538.264, which digit is in the hundredths place?
    Answer: _____

14. Write a decimal number where 4 is in the tenths place and 7 is in the hundredths place.
    Answer: _____

15. In the number 92.735, what is the total value of the digits in the decimal places?

Answer: _____