



Practice exercise: Decimals

Subtopic: Decimal Notation

A. Write the decimal in expanded form.

• **Eg: 123.456**

○ $100 + 20 + 3 + \frac{4}{10} + \frac{5}{100} + \frac{6}{1000}$

1. $0.763 =$ _____

2. $1.975 =$ _____

3. $9.038 =$ _____

4. $43.710 =$ _____

5. $99.999 =$ _____

6. $207.416 =$ _____

7. $369.504 =$ _____

8. $516.007 =$ _____

9. $673.200 =$ _____

10. $740.813 =$ _____

B. Write each in words.

• **Eg: 1.4213**

- **One and four thousand, two hundred thirteen ten thousandths.**

1. $0.8 =$ _____

2. $0.005 =$ _____

3. $0.123 =$ _____

4. $1.0024 =$ _____

5. $3.000111 =$ _____

6. $5.723 =$ _____

7. $80.14 =$ _____

8. $21.473 =$ _____

9. $46.279 =$ _____

10. $95.987 =$ _____

Answer Key

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A.

- $\frac{7}{10} + \frac{6}{100} + \frac{3}{1000}$
- $1 + \frac{9}{10} + \frac{7}{100} + \frac{5}{1000}$
- $9 + \frac{3}{100} + \frac{8}{1000}$
- $40 + 3 + \frac{7}{10} + \frac{1}{100}$
- $90 + 9 + \frac{9}{10} + \frac{9}{100} + \frac{9}{1000}$
- $200 + 7 + \frac{4}{10} + \frac{1}{100} + \frac{6}{1000}$
- $300 + 60 + 9 + \frac{5}{10} + \frac{4}{1000}$
- $500 + 10 + 6 + \frac{7}{1000}$
- $600 + 70 + 3 + \frac{2}{10}$
- $700 + 40 + \frac{8}{10} + \frac{1}{100} + \frac{3}{1000}$

B.

- eight tenths
- five thousandths
- one hundred and twenty-three thousandths
- one and twenty-four ten thousandths
- three and one hundred eleven millionths
- five and seven hundred twenty-three thousandths
- eighty and fourteen hundredths
- twenty one and four hundred seventy-three thousandths
- forty-six and two hundred seventy-nine thousandths
- ten and nine hundred eighty-seven thousandths