

## Answers

### Delicious Decimals

# Expanded Form: Decimals

When you write a decimal in its expanded form, pay attention to place value! Multiply each digit by its place value and add them together.

**Example:** 53.572

$$(5 \times 10) + (3 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$$

**Directions:** Write each decimal in expanded form.

1. 62.837  $(6 \times 10) + (2 \times 1) + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

2. 950.95  $(9 \times 100) + (5 \times 10) + (9 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

3. 345.124  $(3 \times 100) + (4 \times 10) + (5 \times 1) + (1 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

4. 234.109  $(2 \times 100) + (3 \times 10) + (4 \times 1) + (1 \times \frac{1}{10}) + (9 \times \frac{1}{1000})$

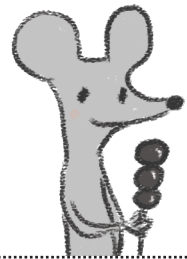
5. 453.1  $(4 \times 100) + (5 \times 10) + (3 \times 1) + (1 \times \frac{1}{10})$

When you write a decimal as a phrase...

- Read the digits to the left of the decimal as a whole number.
- Say “and” for the decimal point.
- Read the digits to the right of the decimal as a whole number.
- Say the place value name of the last digit.

**Example:** 53.572

fifty-three and five hundred seventy-two thousandths



**Directions:** Write each decimal as a phrase.

1. 648.215 six hundred forty-eight and two hundred fifteen thousandths

2. 458.31 four hundred fifty-eight and thirty-one hundredths

3. 587.985 five hundred eighty-seven and nine hundred eighty-five thousandths

4. 2.971 two and nine hundred seventy-one thousandths

5. 672.545 six hundred seventy-two and five hundred forty-five thousandths