Name _____ Date _____

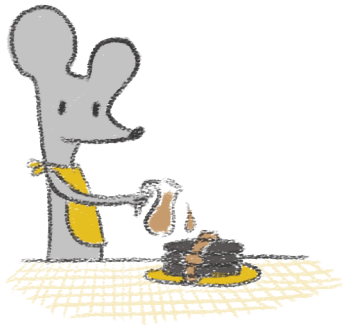
Answers

Delicious Decimals

Expanded Form Practice

When you write a decimal as a phrase...

- Multiply each digit by its place value and add them together.
- Write the number in decimal form.
- 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: $(5 \times 10) + (3 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) = 53.572$
fifty-three and five hundred seventy-two thousandths

Directions: Write each expanded form as a phrase.

1. $(3 \times 10) + (6 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) =$ thirty and six hundred sixty-five thousandths

2. $(8 \times 100) + (5 \times 10) + (4 \times 1) + (5 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) =$ eight hundred fifty-four and fifty-two thousandths

3. $(7 \times 1) + (3 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$ seven and three hundred fifty-nine thousandths

When you write a phrase in its expanded form, pay attention to place value! Use the words to write the decimal. Then, multiply each digit by its place value and add them together.

Example: fifty-three and five hundred seventy-two thousandths = 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 phrase in expanded form.

1. three hundred ninety-seven and four hundred eighty-two thousandths = _____
$(3 \times 100) + (9 \times 10) + (7 \times 1) + (4 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

2. eighty-six and seventy-seven hundredths = $(8 \times 10) + (6 \times 1) + (7 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

3. five hundred three and four tenths = $(5 \times 100) + (3 \times 1) + (4 \times \frac{1}{10})$