

Name \_\_\_\_\_

Date \_\_\_\_\_

1. For each written phrase, write a numerical expression, and then evaluate your expression.

a. Forty times the sum of forty-three and fifty-seven

Numerical expression:

Solution:

b. Divide the difference between one thousand, three hundred, and nine hundred fifty by four

Numerical expression:

Solution:

c. Seven times the quotient of five and seven

Numerical expression:

Solution:

d. One-fourth the difference of four-sixths and three-twelfths

Numerical expression:

Solution:

2. Write at least 2 numerical expressions for each written phrase below. Then solve.

a. Three fifths of seven

b. One-sixth the product of four and eight

3. Use  $<$ ,  $>$ , or  $=$  to make true number sentences without calculating. Explain your thinking.

a. 4 tenths + 3 tens + 1 thousandth  30.41

b.  $(5 \times \frac{1}{10}) + (7 \times \frac{1}{1000})$   0.507

c.  $8 \times 7.20$    $8 \times 4.36 + 8 \times 3.59$

## Answer Key

1.
  - a. Expressions will vary; 4,000
  - b. Expressions will vary;  $87\frac{1}{2}$
  - c. Expressions will vary; 5
  - d. Expressions will vary;  $\frac{5}{48}$
2.
  - a. Expressions will vary;  $4\frac{1}{5}$
  - b. Expressions will vary;  $5\frac{1}{3}$
3.
  - a.  $<$ ; explanations will vary.
  - b.  $=$ ; explanations will vary.
  - c.  $<$ ; explanations will vary.