

Place Value and Decimals

Unit Review (page 2 of 2)

7. Write each number in the form named.

Expanded form with fractions

$$2.906 = \underline{\hspace{2cm}}$$

Standard form

$$30 + 4 + 0.008 = \underline{\hspace{2cm}}$$

8. Write $>$, $<$ or $=$ in each circle.

$$4.209 \bigcirc 4.21$$

$$9.6 \bigcirc 9.600$$

$$1.8 \bigcirc 1.795$$

9. Write the decimals in order from greatest to least.

9.08

9.8

9.088

9.008

_____ $>$ _____ $>$ _____ $>$ _____
greatest least

10. Round the number to the nearest whole number, tenth and hundredth.

9.573

whole number

tenth

hundredth

11. Round each number to the nearest tenth.

1.96

6.45

2.34

12. Write the missing numbers.

$$7.5 = \underline{\hspace{2cm}} \text{ thousandths}$$

$$0.8 = \underline{\hspace{2cm}} \text{ hundredths}$$

$$0.001 \text{ more than } 4.709 \text{ is } \underline{\hspace{2cm}}$$

$$0.01 \text{ less than } 3.006 \text{ is } \underline{\hspace{2cm}}$$

Place Value and Decimals

Unit Review (page 1 of 2)

1. Write the missing numbers.

$$10 \times 0.54 = \underline{5.4}$$

$$\frac{1}{10} \text{ of } 9,100,000 = \underline{910,000}$$

$$3.06 \text{ is } 10 \text{ times } \underline{0.306}$$

Lesson 1.1 · Ten times as much, one tenth as much

2. Write the missing numbers.

The 6 in 8.06 is worth

$$\underline{\frac{1}{10}} \text{ times the 6 in } 0.65.$$

or 0.1

The 5 in 2,530,000 is worth

$$\underline{10} \text{ times the 5 in } 6,051,000.$$

Lesson 1.1 · Ten times as much, one tenth as much

3. Write the missing numbers.

$$10^8 = \underline{100,000,000}$$

$$30 \times 10^3 = \underline{30,000}$$

$$2,900,000 = 29 \times 10^{\boxed{5}}$$

Lesson 1.2 · Powers of ten with exponents

4. Multiply or divide.

$$0.072 \times 100 = \underline{7.2}$$

$$5.6 \times 1,000 = \underline{5,600}$$

$$80.4 \div 100 = \underline{0.804}$$

$$9.4 \div 10 = \underline{0.94}$$

Lesson 1.3 · Multiply and divide by 10, 100 and 1,000

5. Write the missing numbers.

$$0.95 \times 10^1 = \underline{9.5}$$

$$67 \div 10^2 = \underline{0.67}$$

$$1.5 \times 10^{\boxed{2}} = 150$$

$$56 \div 10^{\boxed{3}} = 0.056$$

Lesson 1.3 · Multiply and divide by 10, 100 and 1,000

6. Write each number in the form named.

Standard form

six and eighty-two thousandths

$$= \underline{6.082}$$

Word form

$$3.045 =$$

three and forty-five thousandths

Lesson 1.4 · Thousandths in every form

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Unit Review (page 2 of 2)

7. Write each number in the form named.

Expanded form with fractions

$$2.906 = 2 \times 1 + 9 \times \frac{1}{10} + 6 \times \frac{1}{1000}$$

or $2 + 9/10 + 6/1000$
or with $0 \times 1/100$ written in

Standard form

$$30 + 4 + 0.008 = 34.008$$

Lesson 1.4 · Thousandths in every form

8. Write $>$, $<$ or $=$ in each circle.

$$4.209 < 4.21$$

$$9.6 = 9.600$$

$$1.8 > 1.795$$

Lesson 1.6 · Compare and order decimals

9. Write the decimals in order from greatest to least.

9.08

9.8

9.088

9.008

$$\underline{9.8} > \underline{9.088} > \underline{9.08} > \underline{9.008}$$

greatest least

Lesson 1.6 · Compare and order decimals

10. Round the number to the nearest whole number, tenth and hundredth.

9.573

whole number

10

tenth

9.6

hundredth

9.57

Lesson 1.7 · Round decimals

11. Round each number to the nearest tenth.

1.96

2.0

or 2

6.45

6.5

2.34

2.3

Lesson 1.7 · Round decimals

12. Write the missing numbers.

$$7.5 = \underline{7,500} \text{ thousandths}$$

$$0.8 = \underline{80} \text{ hundredths}$$

$$0.001 \text{ more than } 4.709 \text{ is } \underline{4.710}$$

or 4.71

$$0.01 \text{ less than } 3.006 \text{ is } \underline{2.996}$$

Lesson 1.5 · One number many ways