

3. What happens to the digits 7 and 9 when finding the product of 0.709×10^3 ? What is the product?

The digits move three places to the left. The product is 709.

4. Place the decimal point in the quotient. Add zeros if needed.

$$62 \div 10^3 = 0.062$$

Lesson 6

1. Write the decimal 187.03 in words.

one hundred eighty-seven and three hundredths

2. Which shows the word phrase as a decimal?

sixteen and forty-two thousandths

a. 16,000.420

b. 16,000.042

c. 16.420

d. 16.042

3. Write the decimal 280.75 in expanded form.

$$2 \times 100 + 8 \times 10 + 0 \times 1 + 7 \times \frac{1}{10} + 5 \times \frac{1}{100}$$

4. Write the decimal that represents the expanded form of the number.

$$9 \times 100 + 0 \times 10 + 2 \times 1 + 0 \times \frac{1}{10} + 8 \times \frac{1}{100} + 3 \times \frac{1}{1,000}$$

902.083

Lesson 7

1. Compare. Use place value. Write $<$, $>$, or $=$.

$$8.219 \text{ (} > \text{)} 8.192$$

2. Which statement is NOT true?

a. $0.005 < 0.050$

b. $2.450 = 2.45$

c. $0.045 > 0.25$

d. $2.024 < 2.025$

3. Simon says 0.32 is less than 0.298 because 32 is less than 298. Explain why Simon's reasoning is incorrect.

Possible explanation: Simon is not taking into consideration the place value of the digits. If you compare place values of the two numbers, you will see that because 3 tenths is greater than 2 tenths, $0.32 > 0.298$.

4. Which of the following decimals is to the right of 0.903 on the number line?

a. 0.309

b. 0.393

c. 0.093

d. 0.93

Lesson 8

1. Round the decimal 1.467 to the nearest one, tenth, and hundredth.

one	tenth	hundredth
<u>1</u>	<u>1.5</u>	<u>1.47</u>

2. Which of the following decimals does NOT round to the nearest hundredth as 4.76?

a. 4.706

b. 4.759

c. 4.761

d. 4.764

3. Use the place-value chart to round 23.774 to the nearest whole number, nearest tenth, and nearest hundredth.

tens	ones	.	tenths	hundredths	thousandths
2	3	.	7	7	4

Nearest whole number: 24

Nearest tenth: 23.8

Nearest hundredth: 23.77