

Name: \_\_\_\_\_ Period: \_\_\_\_\_

**Decimal Quiz Review PLEASE SHOW ALL WORK ON A SEPARATE PIECE OF PAPER!!**

**Complete the statement with  $<$ ,  $>$ , or  $=$ .**

1.  $2.58$  ?  $2.85$

**Round the decimal as specified.**

2.  $41.7$  (nearest one) \_\_\_\_\_

3.  $69.735$  (nearest hundredth) \_\_\_\_\_

4.  $54.12$  (nearest tenth) \_\_\_\_\_

5.  $5.3735$  (nearest thousandth) \_\_\_\_\_

6. Which of the following shows the numbers in order from **least to greatest**?

- a.  $0.098, 0.07, 0.011, 0.056$
- b.  $0.056, 0.011, 0.07, 0.098$
- c.  $0.011, 0.056, 0.07, 0.098$
- d.  $0.098, 0.07, 0.056, 0.011$

7. **Laura is a helper in the school library. She wants to arrange the books on her cart in order from greatest to least book identification number. If the numbers on the books were  $762.19, 762.09, 762.1,$  and  $761.6,$  in what order should she arrange them?**

\_\_\_\_\_

8. **While conducting an experiment, a scientist recorded a measurement of  $7.238$  grams. Round this measurement to the nearest hundredth of a gram.** \_\_\_\_\_

**Find the sum or difference.**

9.  $26.454 + 8.69$  \_\_\_\_\_

10.  $943.16 - 14.3$  \_\_\_\_\_

11.  $9.8 - 2.511$  \_\_\_\_\_

**Evaluate the expression.**

12.  $5.56 - 3.73 + 4.65$  \_\_\_\_\_

13.  $4.02 + 6.2 - 3.205$  \_\_\_\_\_

14. **In a three-person medley relay race, the 100-meter leg was run in  $9.99$  seconds, the 200-meter leg in  $21.01$  seconds, and the 400-meter leg in  $44.08$  seconds. What was the total time for the race?**

- a.  $75.18$  sec
- b.  $76.08$  sec
- c.  $75.08$  sec
- d.  $25.03$  sec

15. **Evaluate the expression  $a - 3.2$  when  $a = 4.74$ .**

- a.  $1.54$
- b.  $4.42$
- c.  $7.94$
- d.  $2.54$

**Evaluate the expression when  $x = 3.45$  and  $y = 2.78$ .**

16.  $10 - x + y$  \_\_\_\_\_

17.  $6.75 - x - y$  \_\_\_\_\_

**Estimate the sum or difference by rounding to the nearest whole number.**

18.  $3.64 + 8.52$  \_\_\_\_\_

19.  $8.85 - 4.73$  \_\_\_\_\_

20. **Cheryl's mother is filling her 230 gallon inflatable pool. So far, Cheryl has added  $171.6$  gallons of water into the pool. How many more gallons of water must Cheryl add to the pool before it is filled?**

- a.  $128.4$  gallons
- b.  $21.6$  gallons
- c.  $58.4$  gallons
- d.  $18.4$  gallons

**Find the product.**

21.  $0.07 \times 4.7$  \_\_\_\_\_

22.  $56.2 \times 0.012$  \_\_\_\_\_

23.  $21.78 \times 3$  \_\_\_\_\_

24.  $7 \times 4.56$  \_\_\_\_\_

Evaluate the expression when  $x = 2.34$  and  $y = 0.48$ .

25.  $2.25xy$  \_\_\_\_\_

26.  $xy$  \_\_\_\_\_

Evaluate the expression.

27.  $4.64 + 2.01 \times 3.7$  \_\_\_\_\_

Estimate the product by using compatible numbers.

28.  $4.6 \times 0.32$  \_\_\_\_\_

29.  $10.375 \times 12.607$  \_\_\_\_\_

30. Which number, when multiplied by 1.7, results in a number less than 1.7?

- a. 1.89
- b. 1.43
- c. 3.7
- d. 0.43

Find the quotient.

31.  $396.9 \div 21$  \_\_\_\_\_

Use compatible numbers to estimate the quotient.

32.  $62.7 \div 4.37$

- a. 58
- b. 21
- c. 67
- d. 14

33.  $817.717 \div 22.1135$  \_\_\_\_\_

Find the quotient.

34.  $0.021 \div 0.06$  \_\_\_\_\_

35.  $1.04 \div 0.004$  \_\_\_\_\_

36.  $34.88 \div 3.2$  \_\_\_\_\_

37.  $19 \div 3.8$  \_\_\_\_\_

38. Each section of a communications tower is 13.9 meters tall. If the height of the tower is 291.9 meters, how many sections does the tower have?

- a. 19
- b. 21
- c. 24
- d. 23

39. A single-serving carton of yogurt costs 76 cents. A case of 8 single-serving cartons costs \$5.04. How much is saved per carton by buying the yogurt by the case?

- a. 104 cents
- b. 180 cents
- c. 13 cents
- d. 21 cents

40. A block of Gouda cheese weighs 48.8 ounces. How many slices that weigh 1.3 ounces can be cut from the block?

- a. 38 slices
- b. 375 slices
- c. 365 slices
- d. 37 slices