

Name \_\_\_\_\_

Practice

1-3

# Decimal Place Value

Write the word form for each number and tell the value of the underlined digit.

1. 4.345

\_\_\_\_\_

2. 7.880

\_\_\_\_\_

Write each number in standard form.

3.  $6 + 0.3 + 0.02 + 0.001$  \_\_\_\_\_

4. seven and five hundred thirty-three thousandths \_\_\_\_\_

Write two decimals that are equivalent to the given decimal.

5. 0.68 \_\_\_\_\_

6. 0.9 \_\_\_\_\_

7. **Number Sense** Explain why 0.2 and 0.020 are not equivalent.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Cheri's time in the bobsled race was 1 min, 38.29 sec. Write the word form and the value of the 9 in Cheri's time.

\_\_\_\_\_

9. Which is the word form of the underlined digit in 46.504?

A 5 ones

B 5 tenths

C 5 hundredths

D 5 thousandths

10. **Explain It** Write the value for each digit in the number 1.639.

\_\_\_\_\_

# Relay Races

The town held a Fourth of July relay race. Each person in the team raced through an obstacle course for the same distance. The times in minutes of each team are shown in the table.

Relay Race	Firecracker Team	Rocket Team	Sparkler Team
Jumping rope	1.739	1.826	1.064
Juggling	1.215	2.081	1.287
Bouncing a basketball	2.123	1.246	2.123
Hopping	1.516	1.826	1.095

Use the data in the table to answer the questions below.

- For which race did the Sparkler Team have a time of  $1 + 0.06 + 0.004$ ?  
\_\_\_\_\_
- Which team had a time for bouncing a basketball with a 4 in the hundredths place?  
\_\_\_\_\_
- For which race did the Firecracker Team have a time with a 2 in the tenths place?  
\_\_\_\_\_
- Which team had a time for hopping with a 5 in the thousandths place?  
\_\_\_\_\_
- For which race did two teams have the same time? Which two teams?  
\_\_\_\_\_  
\_\_\_\_\_

- Which team had the same time for two races? Which races?  
\_\_\_\_\_  
\_\_\_\_\_

- Which team do you think won the relay race? Why?  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

Practice

1-4

# Comparing and Ordering Decimals

Write  $>$ ,  $<$ , or  $=$  for each  $\bigcirc$ .

1.  $5.424 \bigcirc 5.343$

2.  $0.33 \bigcirc 0.330$

3.  $9.489 \bigcirc 9.479$

4.  $21.012 \bigcirc 21.01$

5.  $223.21 \bigcirc 223.199$

6.  $5.43 \bigcirc 5.432$

Order these numbers from least to greatest.

7. 8.37, 8.3, 8.219, 8.129 \_\_\_\_\_

8. 0.012, 0.100, 0.001, 0.101 \_\_\_\_\_

9. **Number Sense** Name three numbers between 0.33 and 0.34.  
\_\_\_\_\_

10. Which runner came in first place?  
\_\_\_\_\_

11. Who ran faster, Amanda or Steve?  
\_\_\_\_\_

12. Who ran for the longest time?  
\_\_\_\_\_

Half-Mile Run

Runner	Time (minutes)
Amanda	8.016
Calvin	7.049
Liz	7.03
Steve	8.16

13. Which number is less than 28.43?

A 28.435

B 28.34

C 28.430

D 29.43

14. **Explain It** Explain why it is not reasonable to say that 4.23 is less than 4.13.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Practice 1-4

1. Which shows the following numbers in order from greatest to least? 8.751, 8.762, 8.784, 8.756

A 8.784, 8.762, 8.756, 8.751  
B 8.751, 8.756, 8.762, 8.784  
C 8.756, 8.751, 8.784, 8.762  
D 8.762, 8.751, 8.784, 8.756

2. Four students ran the 100-m dash. Their times are shown in the table.

Student	Time (seconds)
Molly	14.56
Talisha	14.89
Hadley	15.02
Shondra	14.67

Who ran the fastest?

F Molly  
G Talisha  
H Hadley  
J Shondra

3. Which shows the following numbers in order from least to greatest? 28.247, 28.375, 28.015, 28.211

A 28.211, 28.015, 28.375, 28.247  
B 28.247, 28.211, 28.015, 28.375  
C 28.375, 28.247, 28.211, 28.015  
D 28.015, 28.211, 28.247, 28.375

4. **Writing to Explain** In a math game, Hakeem has to choose a number that is greater than 7.923 and less than 7.929. What must the digit in the hundredths place be in the number he chooses? Explain.