#### Name \_\_

### **Compare Decimals**

Essential Question How can you compare decimals?

## Lesson 9.7

Common Core Fractions—4.NF.C.7 MATHEMATICAL PRACTICES MP2, MP4, MP6

Cross out unnecessary information.

Circle numbers you will use.

• What do you need to find?

# 🕈 Unlock the Problem 👫

The city park covers 0.64 square mile. About 0.18 of the park is covered by water, and about 0.2 of the park is covered by paved walkways. Is more of the park covered by water or paved walkways?



**Place Value** You can compare numbers written as decimals by using place value. Comparing decimals is like comparing whole numbers. Always compare the digits in the greatest place-value position first.



• Compare the size of 1 tenth to the size of 1 hundredth. How could this help you compare 0.5 and 0.05? Explain.

**Try This!** Compare 1.3 and 0.6. Write <, >, or =.



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 Compare 0.39 and 0.42. Write <, >, or =. Shade the model to help.

0.39 0.42





### Compare. Write <, >, or =.

**2.** 0.26 ( ) 0.23

Ones	-	Tenths	Hundredths

**4**. 1.15 1.3

<b>V</b>	3.	0.7	$\bigcirc$	0.54
			$\smile$	

Ones	Tenths	Hundredths





14. **CODEEPER** Robert had \$14.53 in his pocket. Ivan had \$14.25 in

his pocket. Matt had \$14.40 in his pocket. Who had more money, Robert or Matt? Did Ivan have more money than either Robert

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or Matt?



0.5 > 0.53	O True	○ False
0.35 < 0.37	O True	○ False
\$1.35 > \$0.35	○ True	○ False
	0.5 > 0.53 0.35 < 0.37 \$1.35 > \$0.35	0.5>0.53 O True 0.35<0.37 O True \$1.35>\$0.35 O True



16. Kelly walks 0.7 mile to school. Mary walks

walk to school.

0.49 mile to school. Write an inequality using

<,>, or = to compare the distances they

**17. WRITE** *Math* Show or describe two

using <, >, or =: 0.26

different ways to complete the comparison

0.4.

## Lesson Check (4.NF.C.7)

- Bob, Cal, and Pete each made a stack of baseball cards. Bob's stack was 0.2 meter high. Cal's stack was 0.24 meter high. Pete's stack was 0.18 meter high. Write a number sentence that compares Cal's stack of cards to Pete's stack of cards.
- Three classmates spent money at the school supplies store. Mark spent 0.5 dollar, Andre spent 0.45 dollar, and Raquel spent 0.52 dollar. Write a number sentence that compares the money Andre spent to the money that Mark spent.

### Spiral Review (4.NF.B.3c, 4.NF.B.4c , 4.NF.C.5)

- 3. Pedro has \$0.35 in his pocket. Alice has\$0.40 in her pocket. How much money do Pedro and Alice have altogether?
- 4. The measure 62 centimeters is equivalent to  $\frac{62}{100}$  meter. What is this measure written as a decimal?

- 5. Joel has 24 sports trophies. Of the trophies,  $\frac{1}{8}$  are soccer trophies. How many soccer trophies does Joel have?
- 6. Molly's jump rope is  $6\frac{1}{3}$  feet long. Gail's jump rope is  $4\frac{2}{3}$  feet long. How much longer is Molly's jump rope?

