

Name _____



Which of these numbers is greatest?

Explain how you know. *Solve this problem any way you choose.*

0.67

0.66

0.7



Lesson 1-10

Comparing and Ordering Decimals

TEKS 4.2F Compare and order decimals using concrete and visual models to the hundredths. Also, 4.2, 4.2E. Mathematical Process Standards 4.1B, 4.1C, 4.1D, 4.1F, 4.1G

Digital Resources at PearsonTexas.com



Solve



Learn



Glossary



Check



Tools



Games

You can construct arguments. Think about how place-value blocks can help you justify your reasoning. *Show your work in the space above!*



Look Back!

Connect Ideas Order the above numbers from greatest to least.

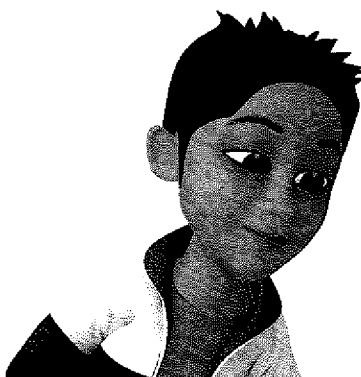
How Do You Compare Decimals?

A penny made in 1982 weighs about 0.11 ounce. A penny made in 2013 weighs about 0.09 ounce. Which penny weighs more, a 1982 penny or a 2013 penny?

1982 penny 0.11 oz



2013 penny 0.09 oz



There is more than one way to compare decimals.

Use place-value blocks.

One Way

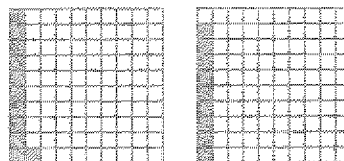


11 hundredths > 9 hundredths

$$0.11 > 0.09$$

Use hundredths grids.

Another Way



11 hundredths > 9 hundredths

$$0.11 > 0.09$$

Use place value.

Another Way

Start at the left. Look for the first place where the digits are different.

$$0.11 \quad 0.09$$

1 tenth > 0 tenths

$$0.11 > 0.09$$

A penny made in 1982 weighs more than a penny made in 2013.



Do You Understand?

Convince Me! Write four different digits in the blank spaces to make each true. Tell how you know.

$$0.___8 < 0.___7 \quad 0.5___ > 0.___9$$