

**Using the Whiteboard**

- Discuss the problem with students.
- Tap the **Action Arrow** and ask a volunteer to use the **Highlighter Tool** to shade the model and the **Pen** to complete the sentence.
- Ask another volunteer to use the **Pen** to complete the table and the sentence.
- Tap the **Try This** button to reveal another problem.

Teaching the Math

Ask: How do the models show which decimal is greater? **The model with the greater amount shaded shows the greater decimal.**

Ask: How does the place-value chart help you compare the money amounts?

Possible answer: I can start by comparing the digits in the place-value position farthest to the left, the ones. Since the ones digits are the same, I can compare the digits in the tenths place. $5 > 0$, so 0.5 is greater than 0.05.

Try This

Have students shade the tenths models to represent each fraction. Students should use their models to compare the decimals.

Ask: Why do you need to use more than one tenths model to represent 1.3?

Possible answer: I need to shade 1 whole tenths model to represent 1, and I need the second tenths model to represent 0.3 or 3 tenths.

Common Errors

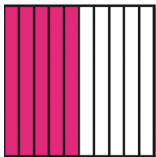
Error Students do not compare equal-sized parts when comparing decimals.

Example Students compare 5 tenths and 18 hundredths and conclude that $0.5 < 0.18$.

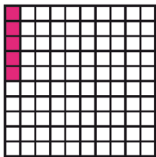
Springboard to Learning Give student decimals models and have them shade to show each decimal. Elicit from students that $0.5 = 0.50$ and 50 hundredths is greater than 18 hundredths, not less.

Answer Key

Tim



Sienna



Ones	.	Tenths	Hundredths
0	.	5	
0	.	0	5

← Tim
← Sienna

Think: The digits in the ones place are the same. Compare the digits in the tenths place.

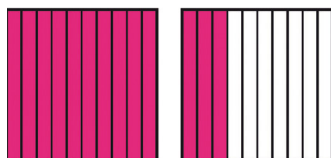
5 tenths $>$ 0 tenths, so $0.5 > 0.05$.

So, Tim has more money.

Try This

$$1.3 > 0.6$$

Shade to model 1.3.



Shade to model 0.6.

