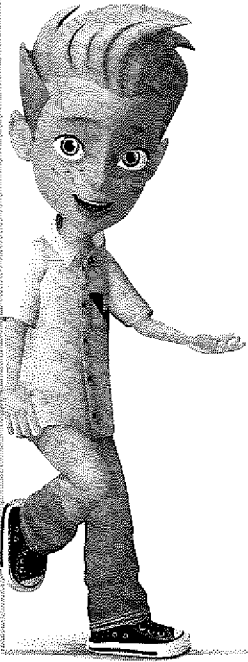




Homework 1-7

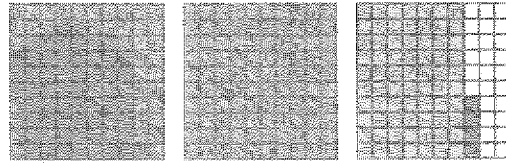
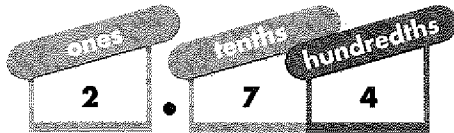
Decimal Place Value

Another Look!



How can you represent the number 2.74?

A place-value chart shows the value of each digit in a number.

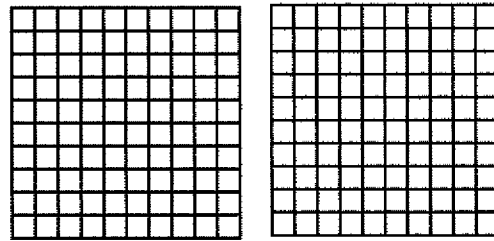


Expanded form: $2 + 0.7 + 0.04$

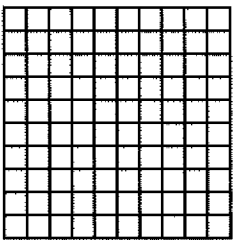
Word form: two and seventy-four hundredths

Number form: 2.74

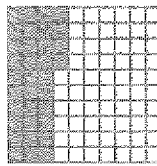
1. Use the decimal model to show 1.59. Then write the number in expanded form and word form.



2. Shade the decimal model to show sixty-eight hundredths. Then write the number in expanded form and standard form.



3. Write the decimal for the shaded part.



In 4 and 5, write the number in standard form.

4. two and fifty-nine hundredths

5. $3 + 0.7 + 0.04$

In 6 through 8, write the number in expanded form.

6. 4.9


7. 14.05

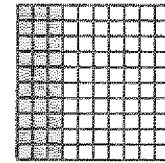
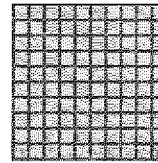
8. 2.22

9. **Number Sense** In the number 4.26, the 4 in the _____ place is 4. The _____ in the _____ place is 0.2. The 6 in the _____ place is _____.

Using a place-value chart can help.




10. Which decimal does the model  represent?



- A 1.03
- B 0.13
- C 13.0
- D 1.30

11. **Explain** Are the decimals 0.4 and 0.40 equal? Explain.

12. Think of a decimal model. Which number  has 10 more tenths than 0.31?

- A 1.31
- B 0.41
- C 0.32
- D 0.21

13. **Analyze Information** Tino and Kate are tailors sewing buttons on shirts. Each shirt needs 8 buttons. Together, the tailors attach 80 buttons. If they split the work evenly, how many shirts did Tino complete?

14. **Reason** Tanya writes the number 7.05. Bryce says he can write a different number using the same digits. Is he correct? Explain.

15. **Extend Your Thinking** Think about using decimal models to show 6.84. If you only used tenths, what place would you not be able to model? How many tenths would you use to model the other two places?