



Review

Do You Know How?



Fractions and Decimals (7-13)

Write a decimal and a fraction in simplest form for the shaded part.



Write each decimal as a fraction or mixed number in simplest form.

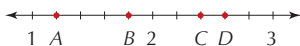
3. $0.28 = \frac{7}{25}$ 4. $1.8 = 1\frac{4}{5}$

Write each as a decimal.

5. $4\frac{1}{25} = 4.04$ 6. $\frac{9}{20} = 0.45$

Fractions and Decimals on the Number Line (7-14)

Write a fraction or mixed number in simplest form and a decimal that name each point.



7. Point C $2\frac{2}{5}$, 2.4 8. Point B $1\frac{4}{5}$, 1.8
9. Point D $2\frac{3}{5}$, 2.6 10. Point A $1\frac{1}{5}$, 1.2

Do You Understand?



- A** Tell how you found each decimal and fraction in Exercises 1 and 2. **See below.**
B Explain how you found the fraction in Exercise 3. **Since the decimal is read as 28 hundredths, you can write the fraction $\frac{28}{100}$ and then write it in simplest form as $\frac{7}{25}$.**

A. The number of shaded figures is the numerator of the fraction, and the number of figures in all is the denominator. Divide the numerator by the denominator to find the fraction.

- C** Tell how you found each decimal. **See below.**
D Explain how the number line shows that $1.2 < 1.8$. **Since 1.2 is to the left of 1.8 on the number line, $1.2 < 1.8$.**

C. First write the mixed number for each point. Each decimal is found by dividing the numerator by the denominator.

Problem-Solving Strategy: Use Logical Reasoning (7-15, 7-16)

Use the chart and logical reasoning to solve the problem.

11. Bob, Sue, and Matt take either piano, golf, or ballet lessons. Sue cannot read music. Neither Sue nor Matt like to dance. Who takes piano? **Matt**

	piano	golf	ballet
Bob	No	No	Yes
Sue	No	Yes	No
Matt	Yes	No	No

- E** Tell what you know. Identify the key facts and details. What are you trying to find? **See below.**
F Explain how you solved the problem. **Sample Answer: Filled in the chart using logical reasoning. Each Yes in the chart means that there is a No in all other boxes in that row and column.**
E. Bob, Sue, and Matt take either piano, golf or ballet lessons. Sue and Matt don't dance. Sue doesn't take piano. You are trying to find who takes piano.