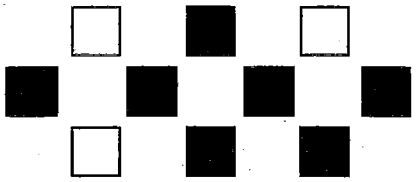
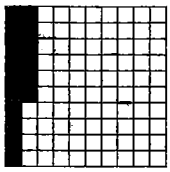
Name _____

Practice
7-4

Tenths and Hundredths

Write a decimal and fraction for the shaded portion of each model.

1. 

2. 

_____ _____ _____ _____

Write each decimal as either a fraction or a mixed number.

3. 0.6 _____ **4.** 0.73 _____

5. 6.9 _____ **6.** 8.57 _____

Write each fraction or mixed number as a decimal.

7. $\frac{7}{10}$ _____ **8.** $\frac{33}{100}$ _____

9. $7\frac{2}{10}$ _____ **10.** $3\frac{9}{100}$ _____

Use division to change each fraction to a decimal.

11. $\frac{4}{5}$ _____ **12.** $\frac{12}{25}$ _____

13. $\frac{1}{50}$ _____ **14.** $\frac{11}{20}$ _____

15. Think About the Process When you convert 0.63 to a fraction, which of the following could be the first step of the process?

A Since there are 63 hundredths, multiply 0.63 and 100.

B Since there are 63 tenths, divide 0.63 by 10.

C Since there are 63 tenths, place 63 over 10.

D Since there are 63 hundredths, place 63 over 100.

Practice 7-4

Name _____

Enrichment
7-4

Dual Answers

You have volunteered to help raise money for your school's photography club by participating in various events. Read the description of each fund-raising event. Write the answer as both a fraction and a decimal.

1. You sold $\frac{4}{5}$ of the nature photographs at the silent auction. What portion of the photographs were unsold?

_____

2. After an hour at the snack table, you sold $\frac{1}{4}$ of the strawberry tarts. What portion of the tarts remain?

_____

3. Of the 100 donated gift baskets, you raffled off 97. What fraction of the baskets are left?

_____

4. The local camera shop contributed 10 antique cameras. The next day, you accepted bids for 4 of the cameras. What fraction of the total number of cameras is left to bid on?

_____

5. Students in the photography club agreed to take photos of people's pets. You started with 100 tickets and sold 83 the first week. What portion of the tickets remain?

_____

Name _____

Practice
7-5

Thousandths

Write each decimal as either a fraction or a mixed number.

1. 0.007 _____ **2.** 0.052 _____

3. 0.038 _____ **4.** 0.259 _____

5. 0.020 _____ **6.** 0.926 _____

Write each fraction as a decimal.

7. $\frac{73}{1,000}$ _____ **8.** $\frac{593}{1,000}$ _____

9. $\frac{854}{1,000}$ _____ **10.** $\frac{11}{1,000}$ _____

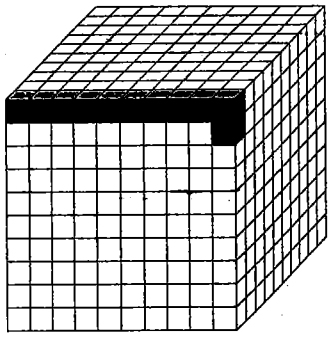
11. $\frac{5}{1,000}$ _____ **12.** $\frac{996}{1,000}$ _____

Write each of the numbers in order from least to greatest.

13. $\frac{5}{1,000}$, 0.003, $\frac{9}{1,000}$ _____

14. 0.021, 0.845, $\frac{99}{1,000}$ _____

15. Look at the model at the right. Write a fraction and a decimal that the model represents.



_____

16. Reasoning In Tasha's school, 0.600 of the students participate in a school sport. If there are one thousand students in Tasha's school, how many participate in a school sport?

A 6,000 **B** 600 **C** 60 **D** 6

17. Explain It Explain how knowing that $5 \div 8 = 0.625$ helps you find the decimal for $4\frac{5}{8}$.

_____

_____

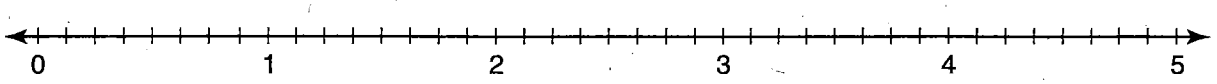
Practice 7-5

Name _____

Enrichment
7-5

Secret Code

Place the following points on the number line. Label the points with the letters to find the secret message.



1. A = $\frac{1}{4}$

2. N = $2\frac{1}{8}$

3. E = $3\frac{7}{8}$

4. O = $4\frac{2}{8}$

5. E = $3\frac{5}{8}$

6. O = $2\frac{7}{8}$

7. E = $4\frac{1}{2}$

8. R = $2\frac{8}{8}$

9. F = $2\frac{3}{4}$

10. R = $\frac{4}{1}$

11. F = $1\frac{7}{8}$

12. S = $1\frac{1}{4}$

13. H = $\frac{1}{2}$

14. T = $\frac{3}{8}$

15. I = $1\frac{1}{8}$

16. U = $\frac{8}{4}$

17. M = $\frac{1}{8}$

18. V = $3\frac{3}{4}$

19. N = $4\frac{3}{8}$

20. Y = $4\frac{1}{8}$

Enrichment 7-5