Unit Five Review
Fractions, Decimals, and Percents

Name:_____

1. Write $\dfrac{5}{8}$ as a decimal and as a percent.

2. List the fractions in order from *largest to smallest*.
   $\dfrac{5}{13}, \dfrac{2}{15}, \dfrac{3}{7}, \dfrac{1}{2}$

3. Convert $\dfrac{13}{4}$ to a whole number or an equivalent mixed number.

4. Convert $1\dfrac{7}{12}$ to equivalent improper fraction.

5. Write three fractions equivalent to $\dfrac{1}{10}$.

7. Write three fractions equivalent to $\dfrac{1}{9}$.

6. Write two fractions equivalent to $\dfrac{2}{4}$.

8. Write three fractions equivalent to $\dfrac{2}{26}$.

9. Which fractions or mixed numbers are equivalent to $4\dfrac{3}{5}$?

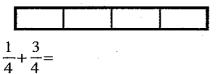 $\dfrac{20}{5}$ $\dfrac{22}{5}$ $\dfrac{17}{5}$ $\dfrac{23}{5}$

10. Write the mixed number and fraction for the diagram given below.
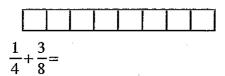In each diagram, the square is worth 1.

11. Write the mixed number and fraction for the diagram given below.
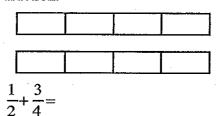In each diagram, the square is worth 1.

12. Use fraction sticks to add the fraction.

$$\frac{1}{4}+\frac{3}{4}=$$

13. Use fraction sticks to add the fraction.

$$\frac{1}{4}+\frac{3}{8}=$$

14. Use the fraction stricks to add the fraction.

$$\frac{1}{2}+\frac{3}{4}=$$

15. Compare. Write $>$, $<$, or $=$.

$$\frac{3}{12}\underline{\hspace{2cm}}\frac{1}{12}$$

16. Compare. Write $>$, $<$, or $=$.

$$\frac{4}{8}\underline{\hspace{2cm}}\frac{7}{8}$$

17. Compare. Write $>$, $<$, or $=$.

$$1\frac{2}{3}\underline{\hspace{2cm}}\frac{4}{3}$$

18. Compare. Write $>$, $<$, or $=$.

$$\frac{3}{5}\underline{\hspace{2cm}}\frac{2}{3}$$

19. Compare. Write >, <, or = .

$$\frac{1}{4} \underline{\hspace{2cm}} \frac{3}{5}$$

20. Find the equivalent percent for $\frac{1}{2}$. Explain one way to do so without using a calculator.

21. The circle graph below shows the favorite games of students in a class.
    Estimate the size of each piece of the circle graph drawn below. Then use your percent circle to find actual percent of students whose favorite game is baseball.

22. Why is it helpful to make an estimate before finding the size of a piece of a circle graph?

23. A survey reported favorite types of juices for fifth grade students. The results of the survey were as follows:

Grape Juice	35%
Orange Juice	15%
Fruit Punch	25%
Apple Juice	25%

a. Make a circle graph for this data.

b. If 50 students answered the survey, how many of them chose apple juice?

c. If 30 students answered the survey, how many of them chose fruit punch?

d. If 80 students answered the survey, how many of them chose grape juice?

24. **Finding fractions**

The figure below represents One.

Find and write the correct fraction in each of the figure's parts.

Check to be sure that the sum of the fractions is 1.

Explain how you found the fraction for the part labeled G.

List a combination of parts that is worth about $\frac{2}{3}$. Explain your answer.