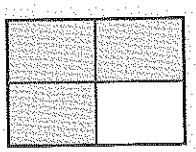
Exercise 1

The Meaning of a Fraction

A **fraction** is a number that names part of a whole or part of a group. A fraction has a top number called the **numerator** and a bottom number called the **denominator.**

Write a fraction for the shaded part.



Count the parts in the whole. $\frac{\quad}{4}$

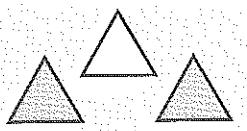
Write 4 as the denominator.

Count the shaded parts. $\frac{3}{4}$

Write 3 as the numerator.

The fraction is: $\frac{3}{4}$ ← **Numerator** ← **Denominator**

Write a fraction for the shaded part.



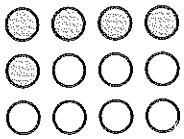
Count the parts in the whole. $\frac{2}{3}$

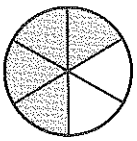
Count the shaded parts.

The fraction is: $\frac{2}{3}$ ← **Numerator** ← **Denominator**

Write a fraction for the shaded part in each figure.

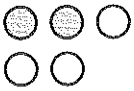
1. 

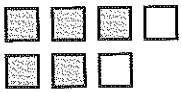
2. 

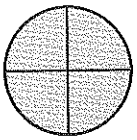
3. 

4. 

5. 

6. 

7. 

8. 

Write a fraction that describes each situation.

9. Two parts from a wire that was cut into five equal parts.

10. Three cups of bleach out of seven cups of liquid.

11. The people at work are participating in a recycling program. After lunch each day, they deposit recyclable trash in bins. Today, they filled 12 bins with recyclable trash. Three of the bins are filled with aluminum cans.

What fraction of the bins contains aluminum cans?_____

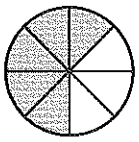
Directions: Choose the one best answer to each item. Circle the number of the correct answer.

12. Mr. Jeremy ordered a large pizza with 8 slices and his family ate 6. Which fraction names the amount of pizza eaten?

(1) $\frac{1}{2}$
(2) $\frac{6}{8}$
(3) $\frac{8}{6}$
(4) $\frac{1}{4}$
(5) $\frac{6}{10}$

13. What is the fraction that represents the shaded part of this circle?

(1) $\frac{1}{8}$
(2) $\frac{2}{8}$
(3) $\frac{5}{8}$
(4) $\frac{4}{8}$
(5) $\frac{8}{8}$



14. What fraction of a dollar (100 cents) is represented by 25 cents?

(1) $\frac{25}{4}$
(2) $\frac{2}{4}$
(3) $\frac{25}{100}$
(4) $\frac{4}{25}$
(5) $\frac{1}{25}$

15. What fraction of a seven-day week is represented by the weekend?

(1) $\frac{1}{7}$
(2) $\frac{2}{7}$
(3) $\frac{2}{5}$
(4) $\frac{7}{2}$
(5) $\frac{7}{1}$

16. Cara and four other waitresses want to share evenly the money they earned in tips at the restaurant. What fraction of the money will one person receive?

(1) $\frac{1}{2}$
(2) $\frac{1}{5}$
(3) $\frac{1}{8}$
(4) $\frac{1}{4}$
(5) $\frac{1}{6}$

17. A denominator is 3 times the numerator. The numerator is 12. What fraction is this?

(1) $\frac{4}{12}$
(2) $\frac{36}{12}$
(3) $\frac{3}{12}$
(4) $\frac{12}{36}$
(5) $\frac{12}{3}$

18. On a 12-month calendar, what fraction is represented by the first four months of the year?

(1) $\frac{4}{12}$
(2) $\frac{4}{10}$
(3) $\frac{12}{4}$
(4) $\frac{1}{4}$
(5) $\frac{1}{12}$

19. On a 24-hour clock, what fraction of the day has passed if the time is 5 A.M.?

(1) $\frac{1}{24}$
(2) $\frac{1}{2}$
(3) $\frac{5}{24}$
(4) $\frac{5}{12}$
(5) $\frac{24}{5}$