Name _____ Date _____ Class _____

SKILL 9: Writing a Fraction as Part of a Set or Part of a Whole

Fractions can be used to indicate a part of a set or a part of a whole.

Example 1

In the set of four triangles at the right, three of them are shaded. One of them is not shaded.

a. What fraction of the set is shaded?

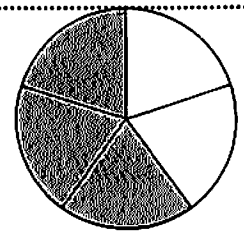
number of shaded triangles → $\frac{3}{4}$
total number of triangles → $\frac{3}{4}$

b. What fraction of the set is not shaded?

number of triangles not shaded → $\frac{1}{4}$
total number of triangles → $\frac{1}{4}$

Example 2

The circle at the right is divided into five equal parts. Three of the parts are shaded.



a. What fraction of the circle is shaded?

number of shaded parts → $\frac{3}{5}$
total number of parts → $\frac{3}{5}$

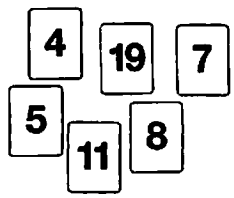
b. What fraction of the circle is not shaded?

number of parts not shaded → $\frac{2}{5}$
total number of parts → $\frac{2}{5}$

Guided Practice

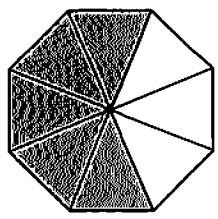
1. What fraction of the cards at the right show odd numbers?

number of odd-numbered cards → $\frac{\square}{\square}$
total number of cards → $\frac{\square}{\square}$



2. What fraction of the figure at the right is shaded?

number of shaded sections → $\frac{\square}{\square}$
total number of sections → $\frac{\square}{\square}$

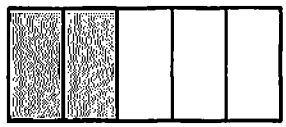


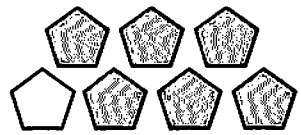
Name _____ Date _____ Class _____

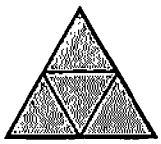
SKILL 9: Practice

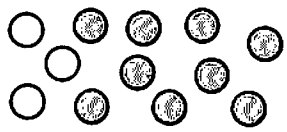
Write a fraction to tell what part is shaded.

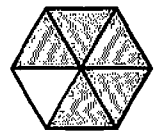
1. 

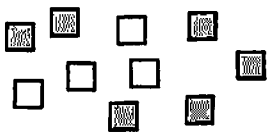
2. 

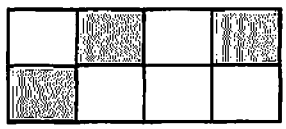
3. 

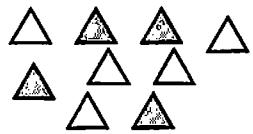
4. 

5. 

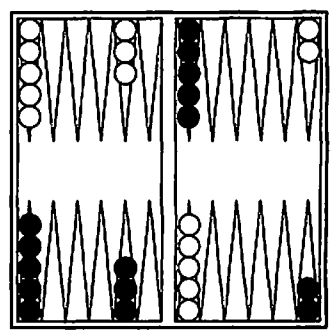
6. 

7. 

8. 

9. 

The picture at the right shows how to set up the game of backgammon. The 24 triangular-shaped spaces on the board are called points.

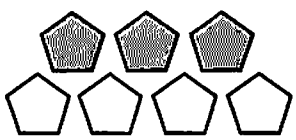


10. What fraction of the points have five black playing pieces? _____

11. What fraction of the white playing pieces are on the point shown at the upper left corner of the board? _____

TEST PREP

12. Which fractional part is shaded? *Skill 9*



A $\frac{4}{7}$

B $\frac{7}{7}$

C $\frac{3}{7}$

D $\frac{3}{4}$

13. An office supply store sells packages of 6 folders each and 9 labels each. Which is the least number of packages of folders you should buy if you want to buy the same number of folders and labels? *Skill 8*

F 2

G 3

H 36

J 18