Activity 2: A Funny Feline (Fill-in all the blanks!)

Directions: Use the letters in the word **RATIO** to write a fraction for each ratio. For example, if the item says "the number of Ts : vowels," the ratio would be 1:3 because there are one T and three vowels in the word "ratio." Then look in the fraction box on the right, and notice the letter next to the fraction. Write this letter on the blank space below that corresponds to the problem solved.

1. number of Rs : number of Ts [1:1=1]
2. number of Ts : vowels [1:3=1/3]
3. consonants : vowels [ ]
4. consonants : total number of letters [ ]

Next, use the letters in the word **PROPORTION** to write a fraction for each ratio. Reduce the fraction to lowest terms. Find the fraction in the box on the right and write the corresponding letter on the correct space below.

5. consonants : total number of letters [ ]
6. vowels : consonants [ ]
7. number of Ps : total number of letters [ ]
8. number of Is : consonants [ ]
9. number of Ps : vowels [ ]
10. number of Ps and Os : total number of letters [ ]

Fraction Box

A = 1
B = $\frac{1}{7}$
C = $\frac{2}{5}$
D = $\frac{3}{4}$
E = $\frac{3}{7}$
N = $\frac{1}{3}$
O = $\frac{2}{3}$
P = $\frac{1}{5}$
S = $\frac{1}{2}$
T = $\frac{3}{5}$
U = $\frac{1}{6}$
W = $\frac{1}{8}$
Y = $\frac{3}{8}$

Question: What do you call a cat with twice as many legs as a normal cat?

A	N					_				
1	2	3	4	5	6		7	8	9	10

❑ Ratios as Fractions

A ratio is simply a comparison of one amount to another amount. Therefore, if you had a bag of 16 marbles (4 white, 7 blue, and 5 red) you could make a comparison with the marbles by using ratios. To turn a ratio into a fraction, use the first item being compared as the numerator and the second item as the denominator.

Example: Write the ratio of red marbles to blue marbles in fractional form.

Solution: 5 red : 7 blue = $\frac{5}{7}$

Example: Write the ratio of white marbles to total marbles in fractional form.

Solution: 4 white : 16 total = $\frac{4}{16}$ . . . reduced = $\frac{1}{4}$