Fraction Instrument

Name_____   Date_____

This instrument is going to ask you some questions about fractions. We are very interested in how you come up with the answers so it is important for you to tell us what you are thinking about. Please write down your thoughts as much as you can. This instrument will not be graded so you do not have to worry about wrong answers.

Concept/Magnitude Questions

1. Draw a picture that shows 1/5. What is another way to draw 1/5?
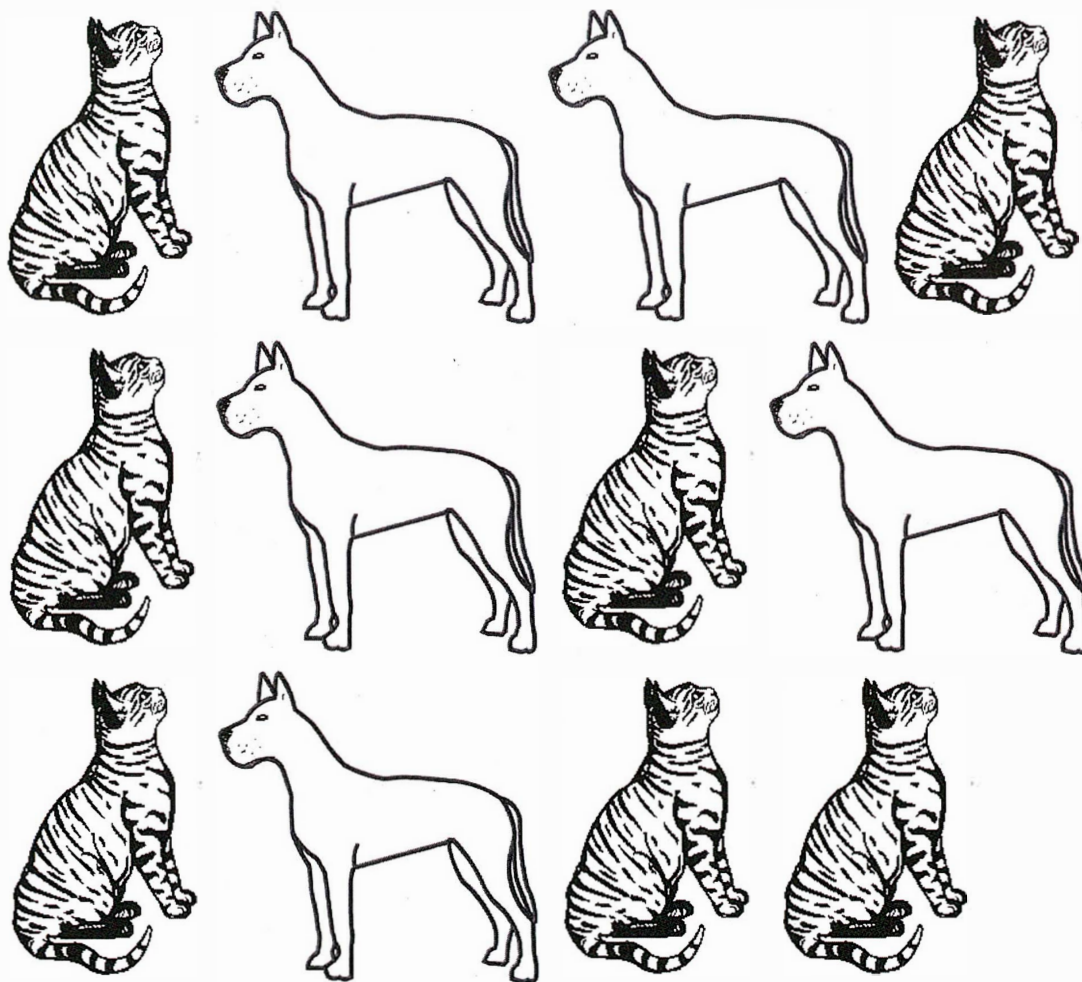
2. What fractional part of this rectangle is shaded?
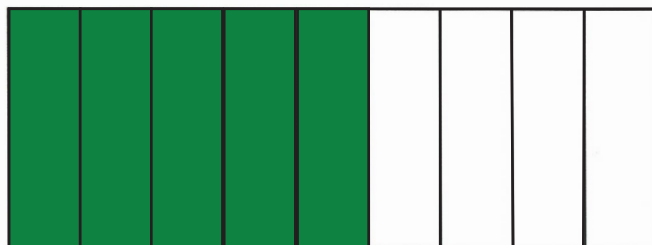
                                                    Answer: _____

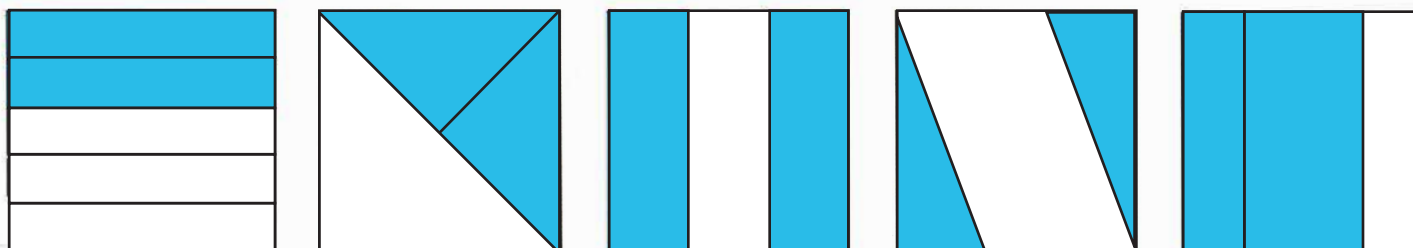3. What does 2/7 represent? You can describe it or draw a picture.

4. What fractional number of this set represents cats?

Answer: _____

5. Which shows 2/3 of the square shaded? Please circle one.

Order Questions

1. 1/9 or 1/5   Are they equal?   **YES**   **NO**

   If not, which one is smaller?

2. 3/4 or 2/3   Are they equal?   **YES**   **NO**
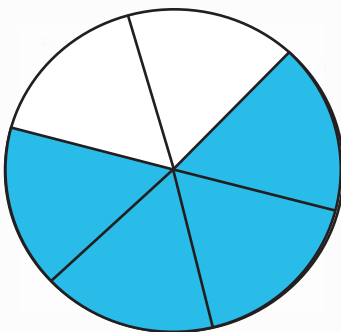
   If not, which one is larger?

3. 5/3 or 3/5   Are they equal?   **YES**   **NO**
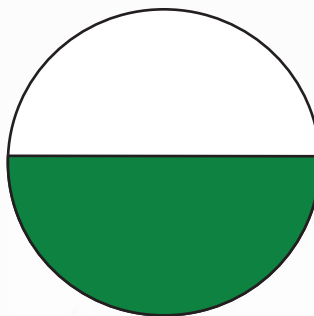
   If not, which one is smaller?

4. Please put the letters (a, b, c) in order from the largest fraction to the smallest fraction.
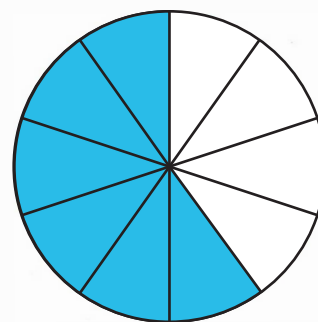
a.   b.   c.

Largest _____   _____   _____ Smallest

5.   1/5   ¾   ½

Please put the fractions in order from the smallest fraction to the largest fraction.

Smallest _____   _____   _____ Largest

Equivalence Questions

1. Which one of the following fractions is equivalent to 1/3? Please circle one:

$$2/5 \qquad 2/9 \qquad 2/6$$

2. Which one of the following fractions is equivalent to 2/1? Please circle one:

$$½ \qquad 3/2 \qquad 4/2$$

3. Which one of the following fractions is equivalent to the fraction that shows how much of the circle is shaded? Please circle one.
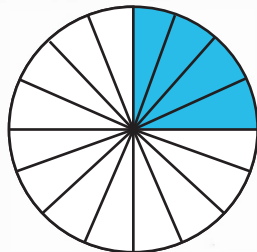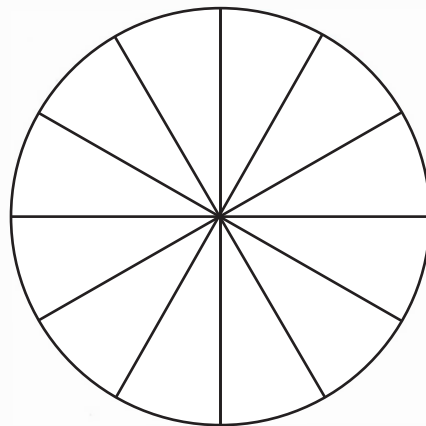
$$5/16 \qquad ¼ \qquad 4/8 \qquad 1/8$$

4. Please shade the equivalent fraction as shown in Rectangle A in Circle A.

Rectangle A

Circle A

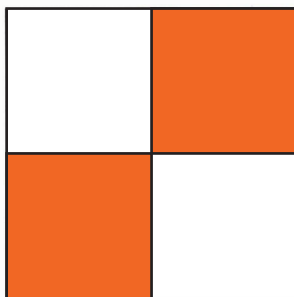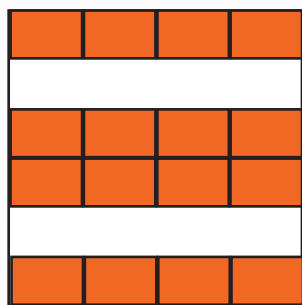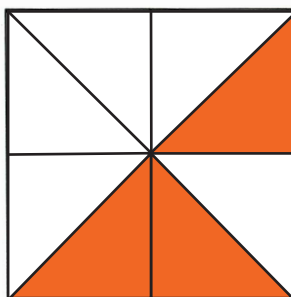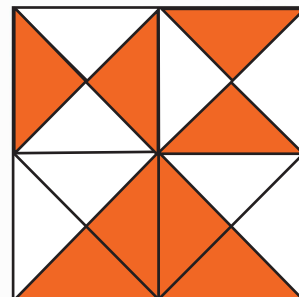5. Which one of the following rectangle has the equivalent fraction as Figure A?

Figure A

1

2

3

Answer: _____