Name _____

1. Take all of the fraction pieces out of the bag, sort them by color and put them into circles. There should be enough pieces of each color to make one whole.
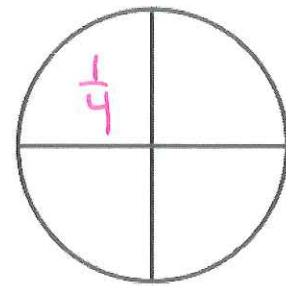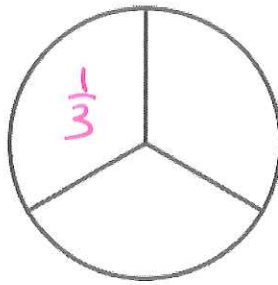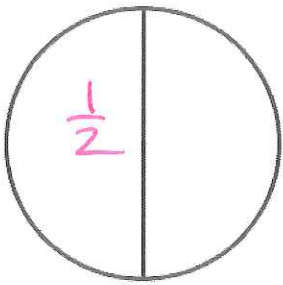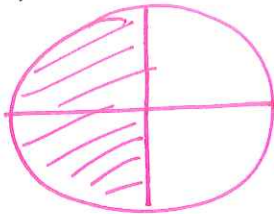
$$\text{Fraction} = \frac{\text{Numerator}}{\text{Denominator}} = \frac{\text{Number of pieces}}{\text{Total pieces}}$$

Write the fraction for each piece shown. The numerator is equal to one and the denominator represents the number of pieces in the whole.
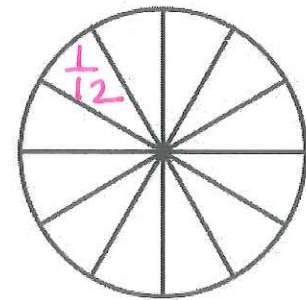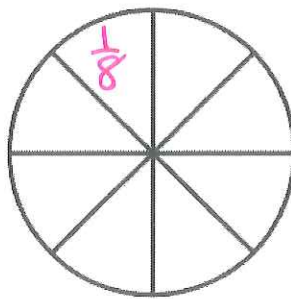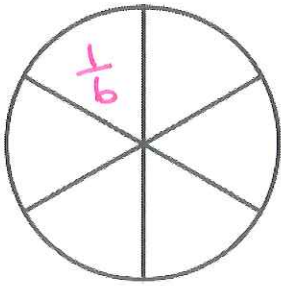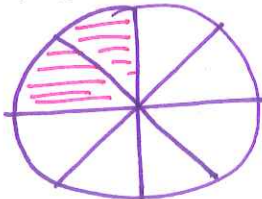

2. How many fourths make a half? Find the fraction pieces and draw a picture to show this.
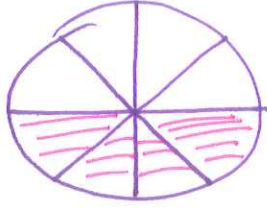

$$\frac{2}{4} = \frac{1}{2}$$

two-fourths make one-half

3. How many eighths make a fourth? Find the fraction pieces and draw a picture to show this.
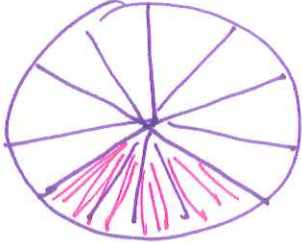

$$\frac{2}{8} = \frac{1}{4}$$

4. How many eighths make a half? Find the fraction pieces and draw a picture to show this.
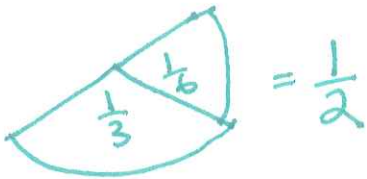
$$\frac{4}{8} = \frac{1}{2}$$

5. How many twelfths make a third? Find the fraction pieces and draw a picture to show this.
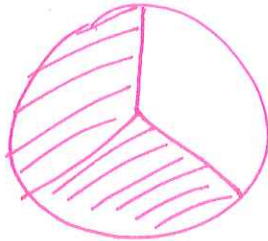
$$\frac{4}{12} = \frac{1}{3}$$

6. Is any piece equivalent to a third plus a sixth? If so, which one? Find the fraction pieces and draw a picture to show this.

$$\frac{1}{3} \quad \frac{1}{6} = \frac{1}{2}$$

7. Can you add 2 different pieces to make two-thirds? If so, which ones? Find the fraction pieces and draw a picture to show this.

8. Can you find 3 different ways to make three-quarters? Find the fraction pieces and draw a picture to show this.

9. How many different ways can you make one-half? Find the fraction pieces and draw a picture with a label for each equivalent fraction.