Solve the following.

1. Parts of a Whole:
   a) Sarah ate 3/8 of a pizza. How much of the pizza is left?
   b) In a candy jar, 4/6 of the candies are red, and the rest are green. What fraction of candies are green?

2. Parts of a Group:
   a) In a class of 32 students, 5/32 of them have brown hair. How many students have brown hair?
   b) There are 15 cats and 3 dogs in the animal shelter. What fraction of the animals are dogs?

3. Comparing Fractions (Like Denominators):
   a) Compare the fractions: 2/5 ____ 3/5. (Use >, <, or =)
   b) Compare the fractions: 4/7 ____ 4/7. (Use >, <, or =)

4. Comparing Fractions (Significantly Different Fractions):
   a) Compare the fractions: 1/8 ____ 3/4. (Use >, <, or =)
   b) Compare the fractions: 1/3 ____ 5/6. (Use >, <, or =)

5. a) In a bag of marbles, 4/12 are red, and 2/12 are blue. What fraction of the marbles are not red or blue?

6. a) Mary colored 7/10 of a picture. How much of the picture is not colored?

7 a) In a box of crayons, 6/12 are broken. How many crayons are broken?

8. a) Compare the fractions: 3/8 ____ 5/8. (Use >, <, or =)

9. a) Compare the fractions: 1/10 ____ 9/10. (Use >, <, or =)

10. a) A baker made 18 cupcakes, and 6 of them are vanilla. What fraction of the cupcakes are not vanilla?

Answers:
1a) 5/8 of the pizza is left.
1b) 2/6 of the candies are green (equivalent to 1/3).

2a) 5 students have brown hair.
2b) 3/18 of the animals are dogs (equivalent to 1/6).

3a) 2/5 < 3/5.
3b) 4/7 = 4/7.

4a) 1/8 < 3/4.
4b) 1/3 < 5/6.

5a) 6/12 of the marbles are not red or blue (equivalent to 1/2).

6a) 3/10 of the picture is not colored (equivalent to 3/10).

7a) 6 crayons are broken.

8a) 3/8 < 5/8.

9a) 1/10 < 9/10.

10a) 12/18 of the cupcakes are not vanilla (equivalent to 2/3).