NS4-72: Equal Parts of a Set

Fractions can name parts of a set: $\frac{3}{5}$ of the figures are triangles, $\frac{1}{5}$ are squares and $\frac{1}{5}$ are circles.

1. Fill in the blanks.

a)

_____ of the figures are circles.

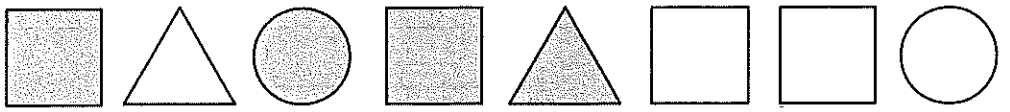
_____ of the figures are shaded.

b)

_____ of the figures are shaded.

_____ of the figures are triangles.

c)



_____ of the figures are triangles.

_____ of the figures are squares.

_____ of the figures are shaded.

_____ of the figures are unshaded.

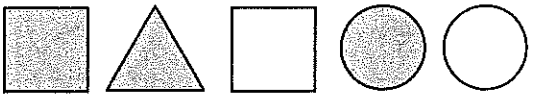
2. Fill in the blanks.

$\frac{4}{8}$ of the figures are _____.

$\frac{3}{8}$ of the figures are _____.

$\frac{1}{8}$ of the figures are _____.

3. Write 4 fraction statements for the picture:



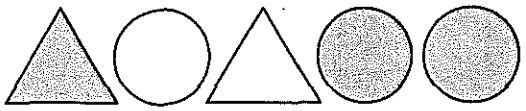
a) _____.

b) _____.

c) _____.

d) _____.

NS4-72: Equal Parts of a Set *(continued)*

4. 

Can you describe this picture in two different ways using the fraction $\frac{3}{5}$?

_____

_____

5. A soccer team wins 5 games and loses 3 games.

   a) How many games did the team play? _____

   b) What fraction of the games did the team win? _____

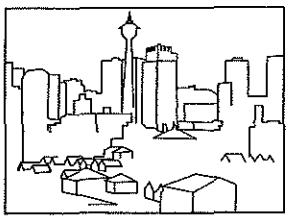
6. A basketball team wins 7 games, loses 2 games and ties 3 games. What fractions of the games did the team ...

   a) win? _____ b) lose? _____ c) tie? _____

7. A box contains 4 blue markers, 3 black markers and 3 red markers.
   What fraction of the markers are not blue? _____

8. Julie lives 3 km from her school.
   She has biked 1 km towards her school.
   What fraction of the distance to her school does she still have to bike?

9. Pia is 9 years old.
   She lived in Calgary for 4 years, before she moved to Regina.
   What fraction of her life did she live in Calgary?



10. Draw a picture to solve the puzzle.

    a) There are 5 circles and squares.

    $\frac{3}{5}$ of the figures are squares.

    $\frac{2}{5}$ of the figures are shaded.

    Two circles are shaded.

    b) There are 5 triangles and squares.

    $\frac{3}{5}$ of the figures are shaded.

    $\frac{2}{5}$ of the figures are triangles.

    One square is shaded.