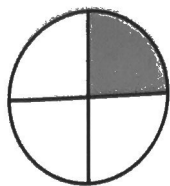


NS3-63 Unit Fractions

There are 4 equal parts.
Each part is one fourth.
One fourth is a fraction.



one fourth or $\frac{1}{4}$

You can write fractions with words or numbers.

$\frac{1}{4}$ ← number of parts shaded
 $\frac{1}{4}$ ← number of parts in the whole

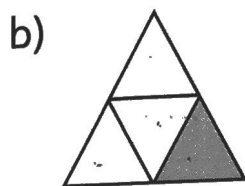
I. Write the fraction for the equal parts with words and with numbers.



8 equal parts

Each part is

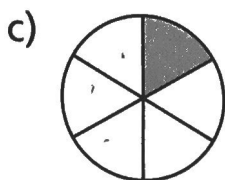
one eighth or $\frac{1}{8}$



4 equal parts

Each part is

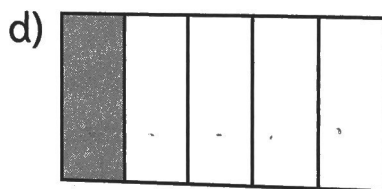
one fourth or $\frac{1}{4}$



6 equal parts

Each part is

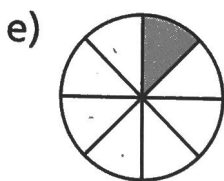
one sixth or $\frac{1}{6}$



5 equal parts

Each part is

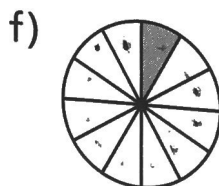
one fifth or $\frac{1}{5}$



8 equal parts

Each part is

one eighth or $\frac{1}{8}$

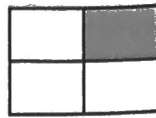


12 equal parts

Each part is

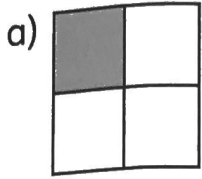
one twelfth or $\frac{1}{12}$

A unit fraction has only 1 equal part shaded.

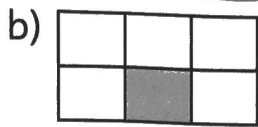


$\frac{1}{4}$

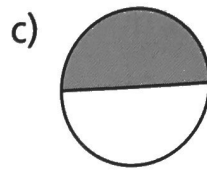
2. Write the unit fraction shown by the shaded part of the picture.



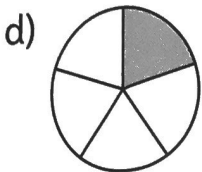
$\frac{1}{4}$



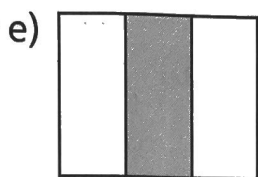
$\frac{1}{6}$



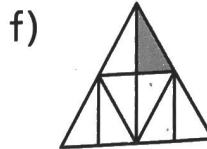
$\frac{1}{2}$



$\frac{1}{5}$

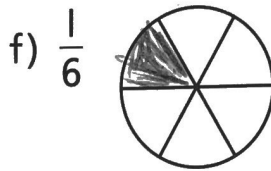
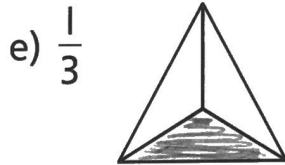
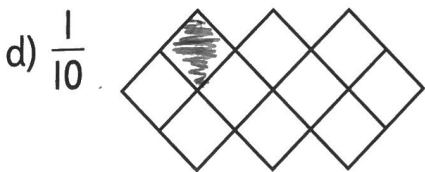
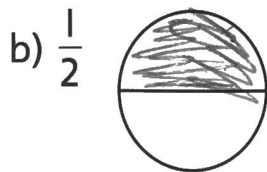
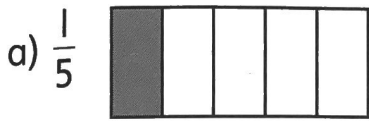


$\frac{1}{3}$



$\frac{1}{8}$

3. Shade the unit fraction.



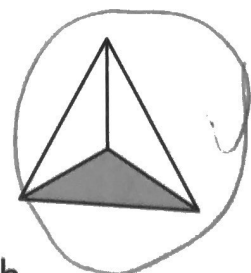
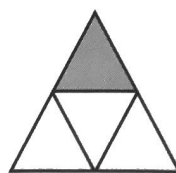
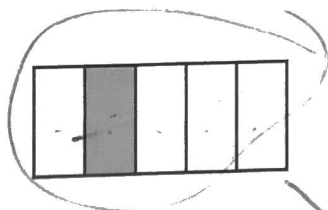
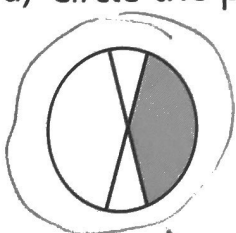
4. a) Circle the unit fractions.

$\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{4}{7}$ $\frac{1}{5}$ $\frac{9}{10}$ $\frac{1}{6}$ $\frac{2}{9}$

b) Explain why the fractions that are not circled are not unit fractions.

a unit fraction only has 1 part shaded

5. a) Circle the pictures that do not show one fourth.



b) Explain why the pictures you circled do not show one fourth.

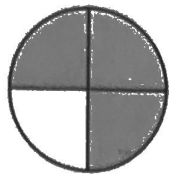
Number Sense 3-63 not equal parts

1/5

1/3

NS3-64 Writing Fractions

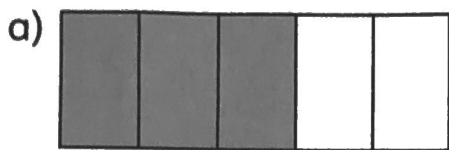
There are 4 equal parts.
3 parts are shaded.



You can write the fraction as $\frac{3}{4}$.

$\frac{3}{4}$ ← The **numerator** tells you 3 parts are shaded.
 $\frac{3}{4}$ ← The **denominator** tells you 4 parts are in the whole.

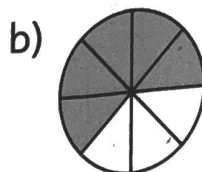
1. Count the number of shaded parts and the number of equal parts in the picture. Then write the fraction shown by the shaded parts.



3 shaded parts

5 equal parts

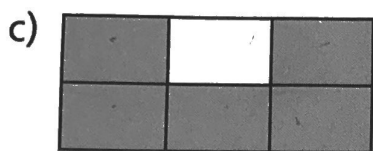
The fraction is $\frac{3}{5}$.



5 shaded parts

8 equal parts

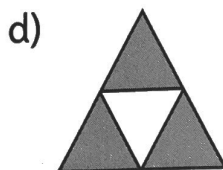
The fraction is $\frac{5}{8}$.



5 shaded parts

6 equal parts

The fraction is $\frac{5}{6}$.

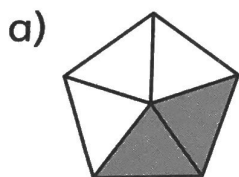


3 shaded parts

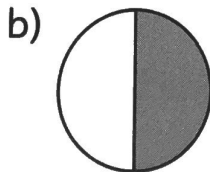
4 equal parts

The fraction is $\frac{3}{4}$.

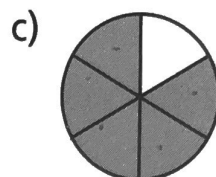
2. Write the fraction shown by the shaded part or parts.



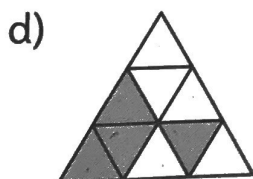
$\frac{2}{5}$



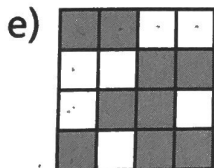
$\frac{1}{2}$



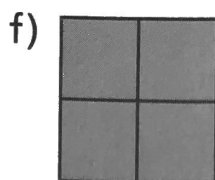
$\frac{5}{6}$



$\frac{4}{9}$

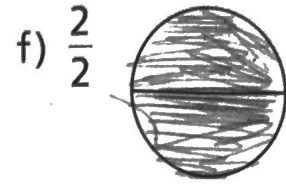
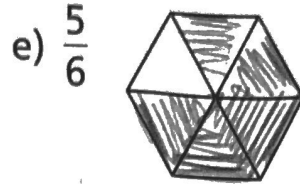
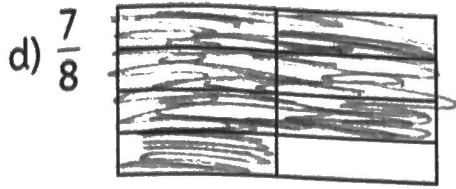
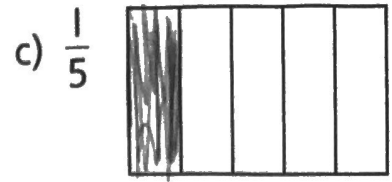
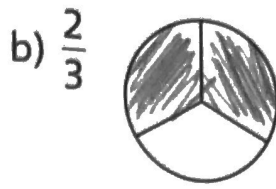
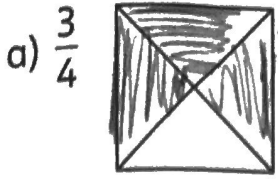


$\frac{9}{16}$

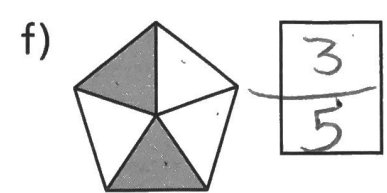
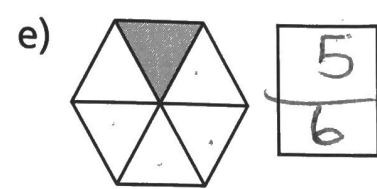
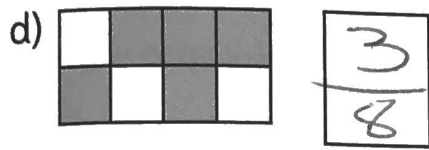
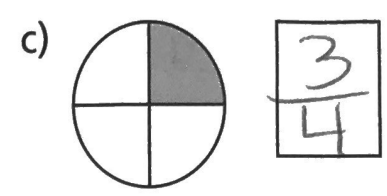
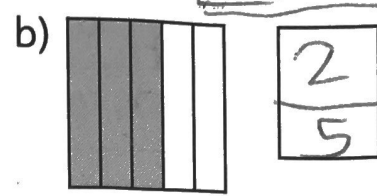
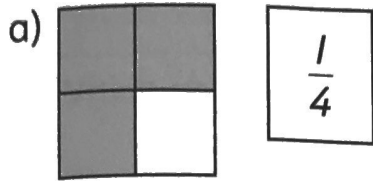


$\frac{4}{4}$

3. Shade parts to show the fraction.

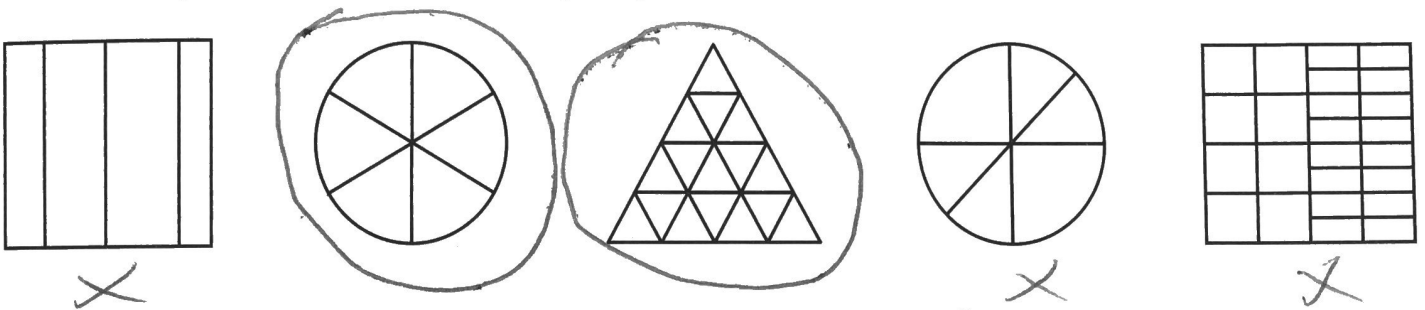


4. Write a fraction for the parts that are not shaded.

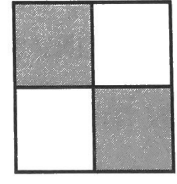
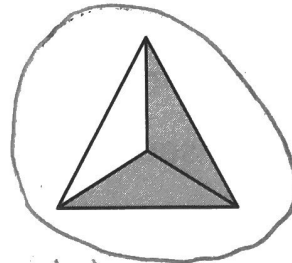
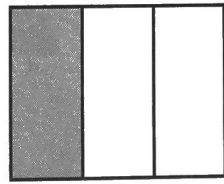
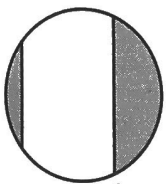


REMINDER ► In a fraction, there are equal parts in the whole.

5. Circle the pictures that have equal parts in the whole.



6. a) Circle the picture where the shaded region shows $\frac{2}{3}$.



X not equal parts *X not $\frac{2}{3}$ for shaded*
 b) For each picture not circled, explain why the shaded region does not show $\frac{2}{3}$.
 $\frac{2}{4}$ is not $\frac{2}{3}$

7. Write the numerator of the fraction.

a) $\frac{3}{4}$ 3

b) $\frac{5}{8}$ 5

c) $\frac{1}{6}$ 1

d) $\frac{2}{7}$ 2

8. Write the denominator of the fraction.

a) $\frac{7}{8}$ 8

b) $\frac{1}{4}$ 4

c) $\frac{3}{5}$ 5

d) $\frac{5}{6}$ 6

9. You have $\frac{2}{5}$ of a pie.

a) What is the denominator of the fraction? 5

b) What does the denominator tell you? That there are

5 pieces of pie in total

c) What is the numerator of the fraction? 2

d) What does the numerator tell you? That I have 2

pieces of pie.