

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.

← number of parts shaded

← number of parts in the whole

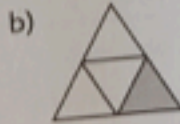
I. Write the fraction for the equal parts with words and with numbers.



8 equal parts

Each part is

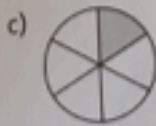
one eighth or $\frac{1}{8}$



4 equal parts

Each part is

 or



6 equal parts

Each part is

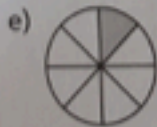
 or



5 equal parts

Each part is

 or



8 equal parts

Each part is

 or

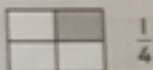


10 equal parts

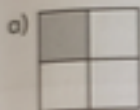
Each part is

 or

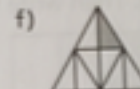
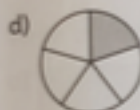
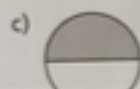
A unit fraction has only 1 equal part shaded.



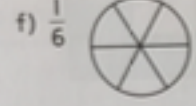
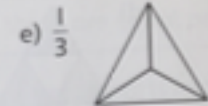
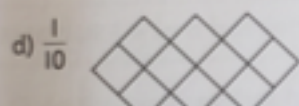
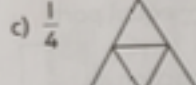
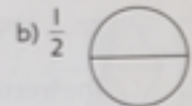
2. Write the unit fraction shown by the shaded part of the picture.



$\frac{1}{4}$



3. Shade the unit fraction.

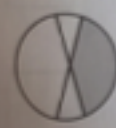


4. a) Circle the unit fractions.

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

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

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



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

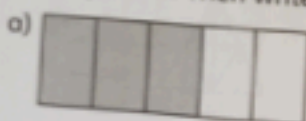
NS3-64 Writing Fractions

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.

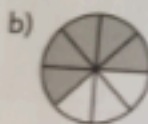
1. Count the number of shaded parts and the number of equal parts in the picture. Then write the fraction shown by the shaded parts.



3 shaded parts

5 equal parts

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



 shaded parts

 equal parts

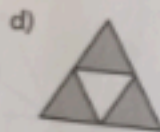
The fraction is $\frac{\square}{\square}$



 shaded parts

 equal parts

The fraction is $\frac{\square}{\square}$

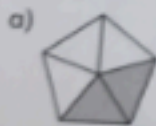


 shaded parts

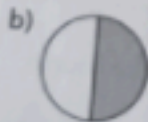
 equal parts

The fraction is $\frac{\square}{\square}$

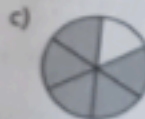
2. Write the fraction shown by the shaded part or parts.



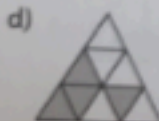
$\frac{2}{5}$



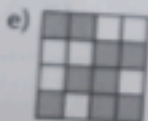
$\frac{\square}{\square}$



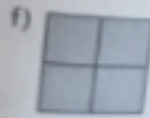
$\frac{\square}{\square}$



$\frac{\square}{\square}$



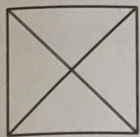
$\frac{\square}{\square}$



$\frac{\square}{\square}$

3. Shade parts to show the fraction.

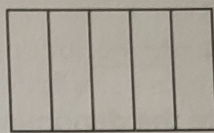
a) $\frac{3}{4}$



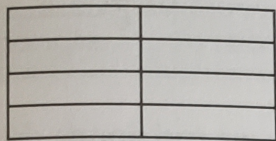
b) $\frac{2}{3}$



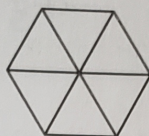
c) $\frac{1}{5}$



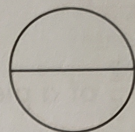
d) $\frac{7}{8}$



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

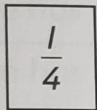
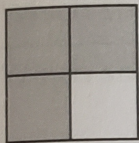


f) $\frac{2}{2}$

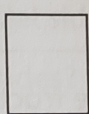
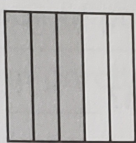


4. Write a fraction for the parts that are not shaded.

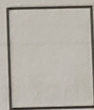
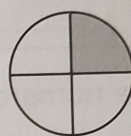
a)



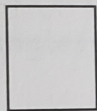
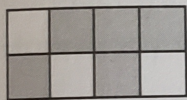
b)



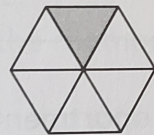
c)



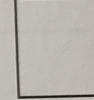
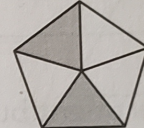
d)



e)

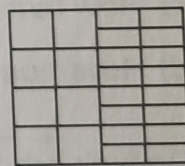
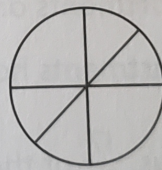
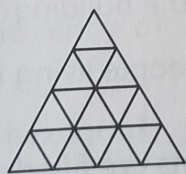
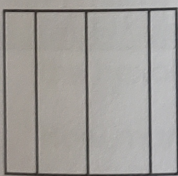


f)

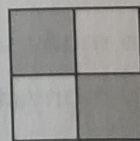
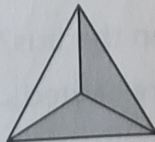
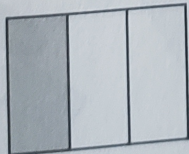
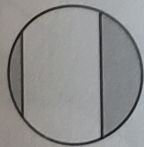


REMINDER ▶ In a fraction, there are equal parts in the whole.

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



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



b) For each picture not circled, explain why the shaded region does not show $\frac{2}{3}$.