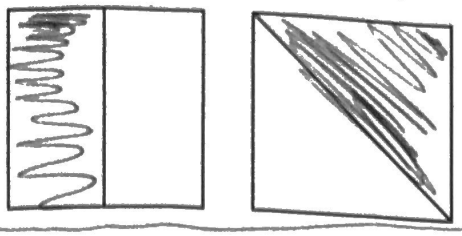
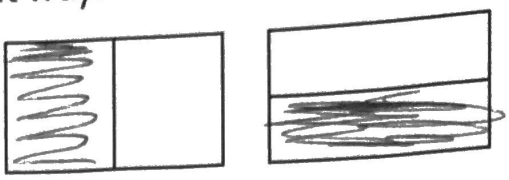
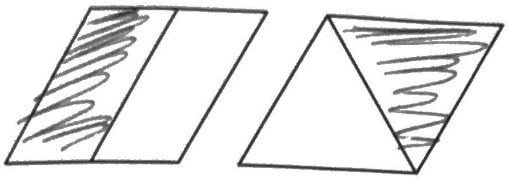
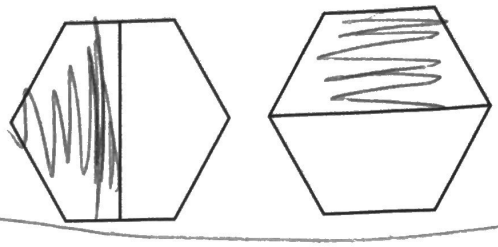
NS3-66 Equal Parts of Shapes

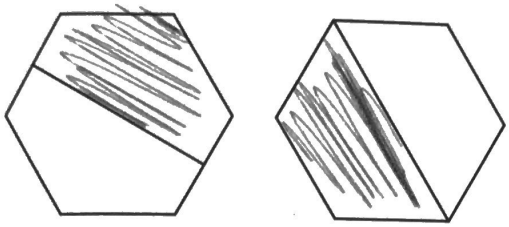
1. Shade one half of the shape in two different ways.

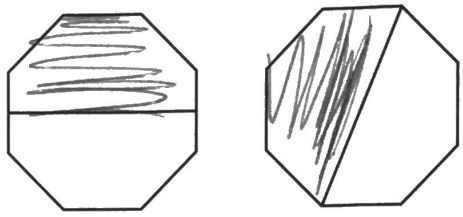
a) 

b) 

c) 

d) 

e) 

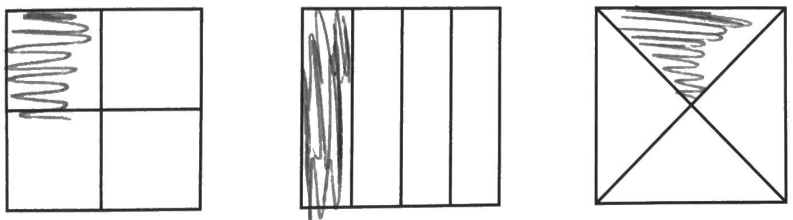
f) 

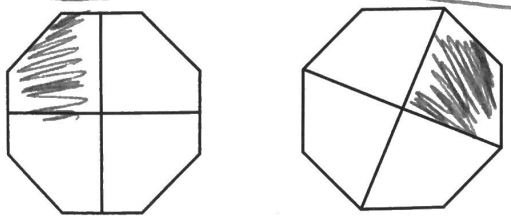
2. Write "yes" or "no" to answer the question for each part in Question 1.

a) Are the fractions the same? yes - all $\frac{1}{2}$

b) Do the equal parts look the same? no they do not

3. Shade one fourth of the shape in different ways.

a) 

b) 

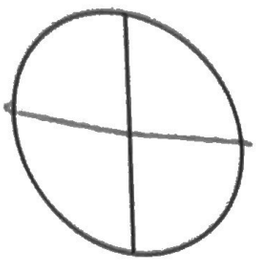
4. Write "yes" or "no" to answer the question for each part in Question 3.

a) Are the fractions the same? yes

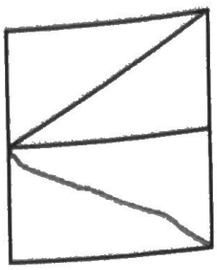
b) Do the equal parts look the same? no

5. Add a line to the picture to make 4 equal parts.

a)



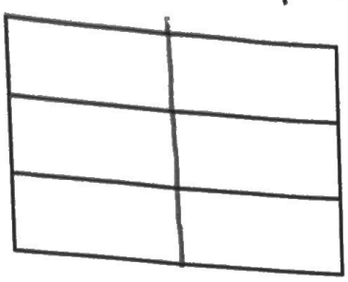
b)



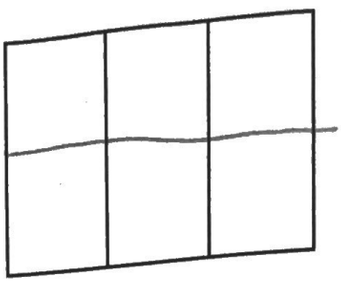
BONUS ▶

6. Add a line to the picture to make 6 equal parts.

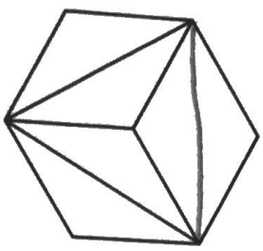
a)



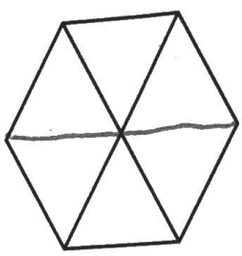
b)



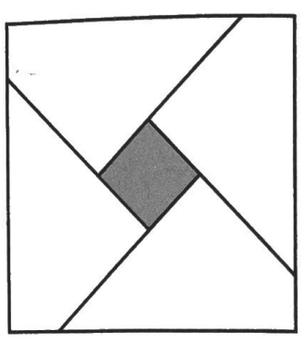
c)



d)



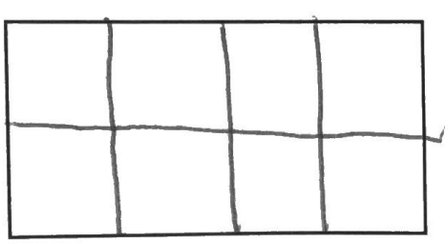
7. Jun must shade in one fifth of the big square.

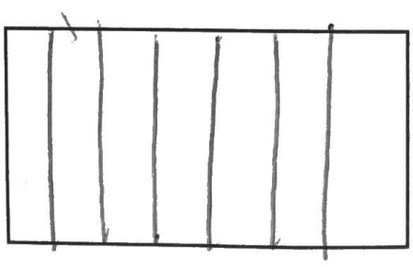


Is his answer correct? NO

Explain. It has to have equal parts that are the same size

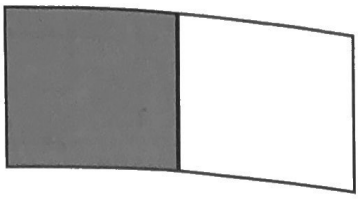
BONUS ▶ Show two different ways to divide a rectangle into 8 equal rectangles.

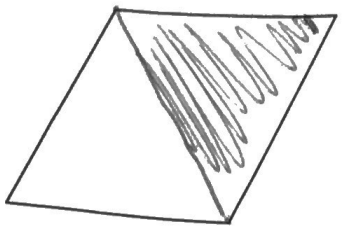


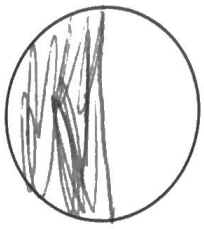


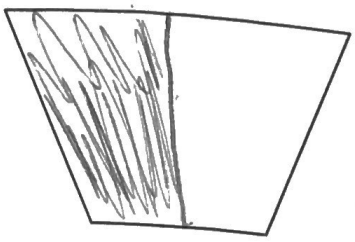
NS3-67 Different Shapes, Same Fractions

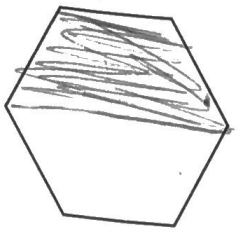
1. Draw a line to create 2 equal parts. Then shade $\frac{1}{2}$ of the whole.

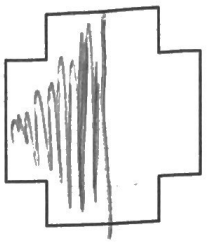
a) 

b) 

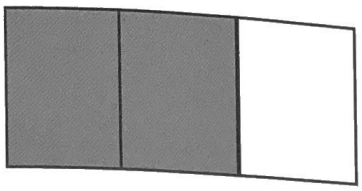
c) 

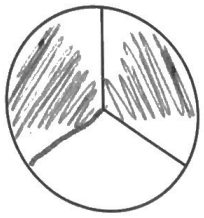
d) 

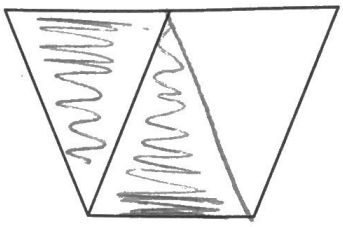
e) 

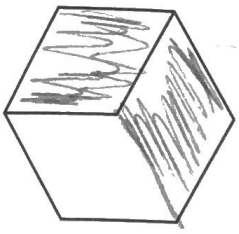
BONUS ▶ 

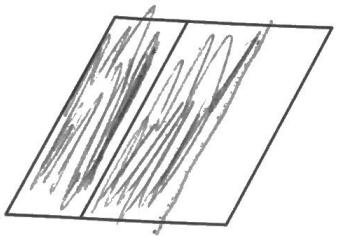
2. Draw a line to create 3 equal parts. Then shade $\frac{2}{3}$ of the whole.

a) 

b) 

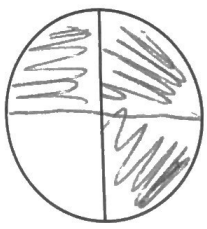
c) 

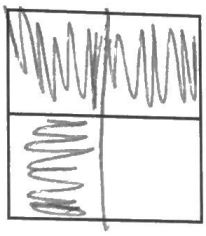
d) 

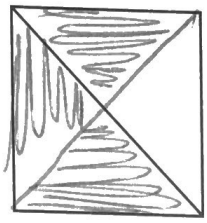
e) 

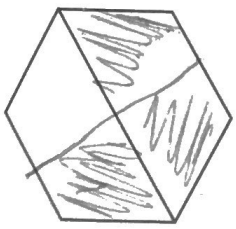
BONUS ▶ 

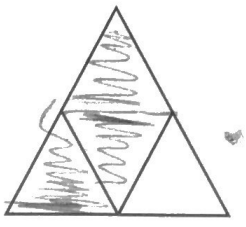
3. Draw a line to create 4 equal parts. Then shade $\frac{3}{4}$ of the whole.

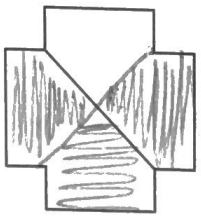
a) 

b) 

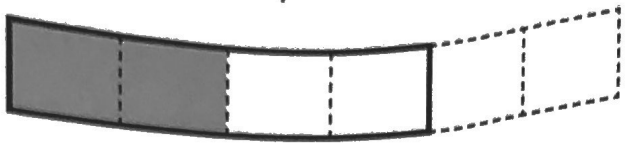
c) 

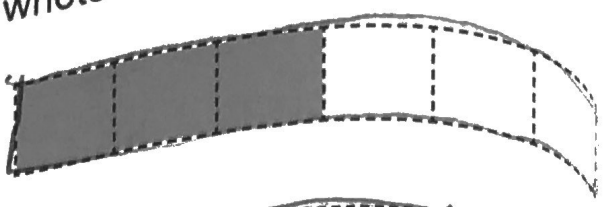
d) 

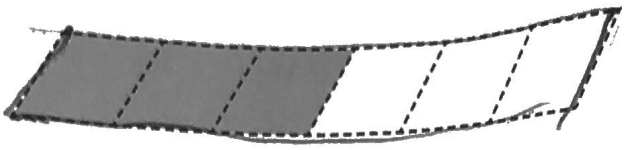
e) 

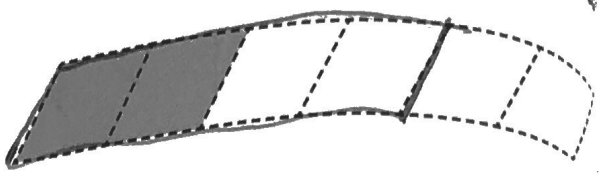
BONUS ▶ 

4. One half of a shape is shaded. Outline the whole shape.

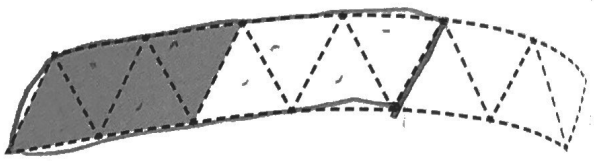
a) 

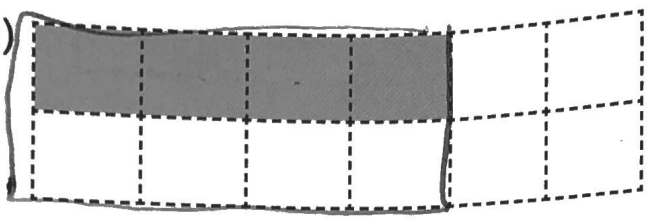
b) 

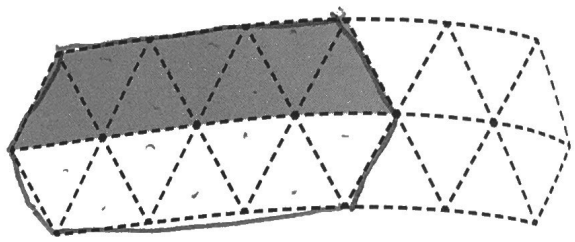
c) 

d) 

e) 

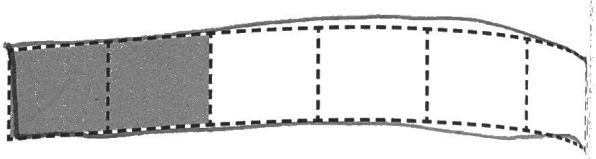
f) 

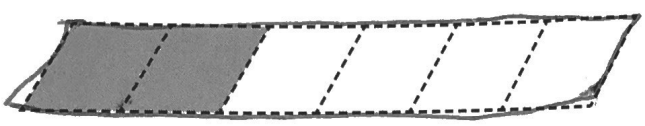
g) 

h) 

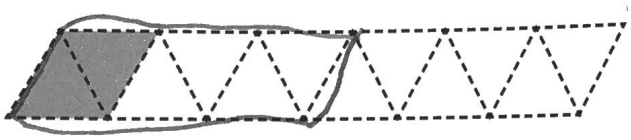
5. One third of a shape is shaded. Outline the whole shape.

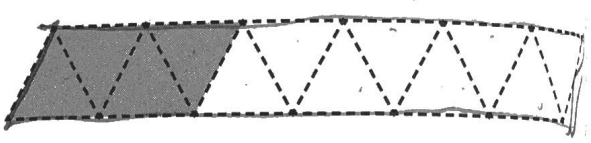
a) 

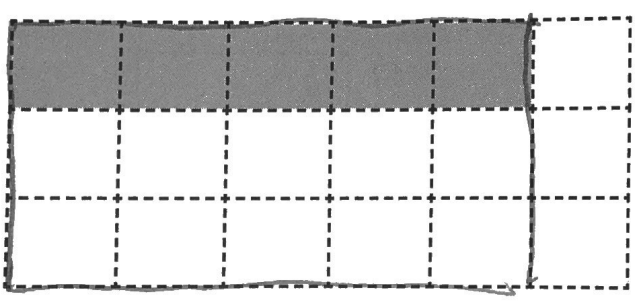
b) 

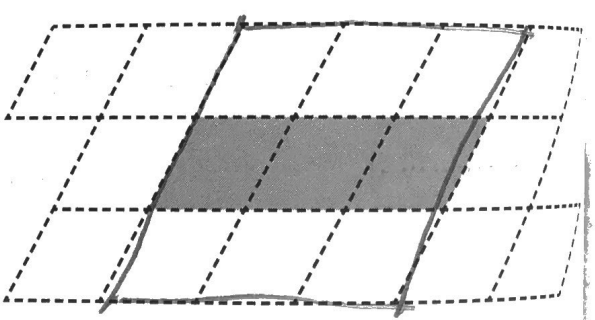
c) 

d) 

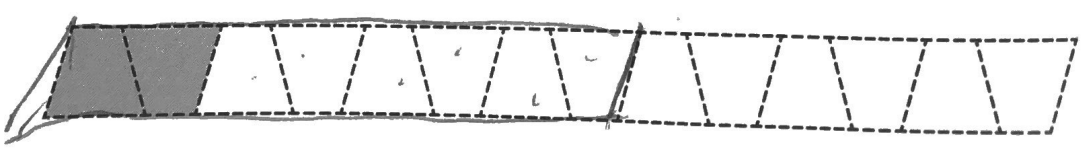
e) 

f) 

g) 

h) 

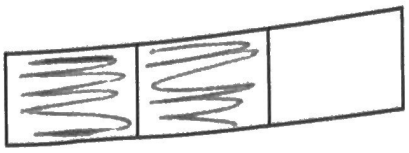
BONUS ▶ One fourth of a shape is shaded. Outline the whole shape.

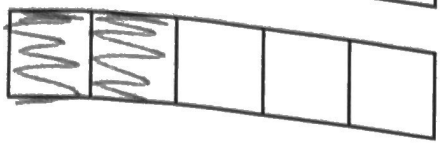


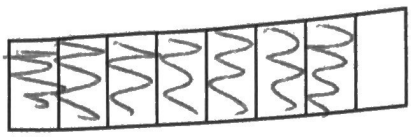
NS3-69 Comparing Fractions

1. Shade the fraction of the strip.

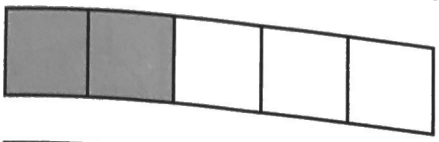
a)  $\frac{3}{4}$

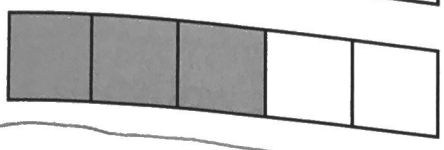
b)  $\frac{2}{3}$

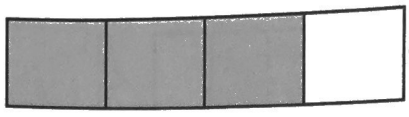
c)  $\frac{2}{5}$

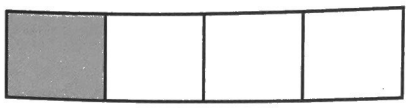
d)  $\frac{7}{8}$

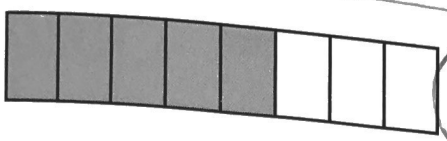
2. Which strip has more shaded? Circle the greater fraction.

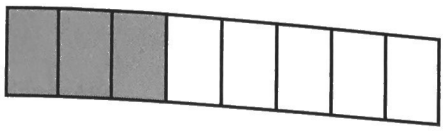
a)  $\frac{2}{5}$

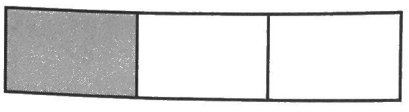
 $\frac{3}{5}$

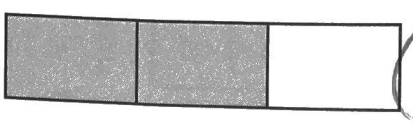
b)  $\frac{3}{4}$

 $\frac{1}{4}$

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

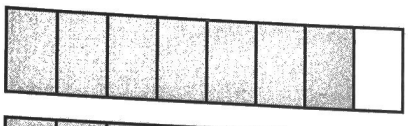
 $\frac{3}{8}$

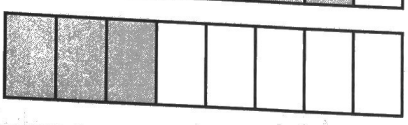
d)  $\frac{1}{3}$

 $\frac{2}{3}$

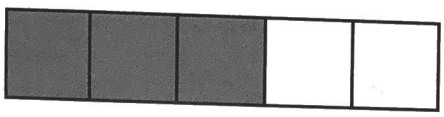
To compare fractions, the wholes must be the same.

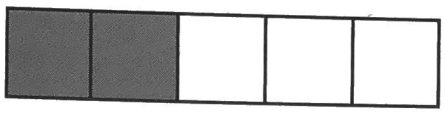
$\frac{7}{8}$ is greater than $\frac{3}{8}$ because more of the whole is shaded.

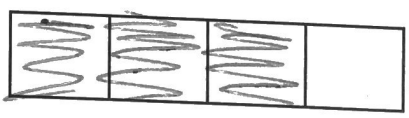
 $\frac{7}{8}$

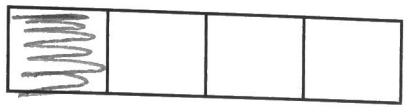
 $\frac{3}{8}$

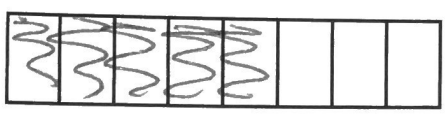
3. Shade the fractions of the strips. Then circle the greater fraction.

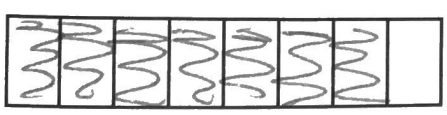
a)  $\frac{3}{5}$

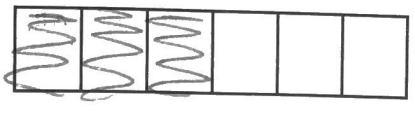
 $\frac{2}{5}$

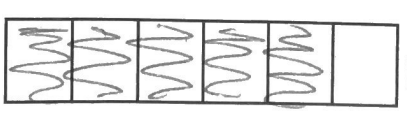
b)  $\frac{3}{4}$

 $\frac{1}{4}$

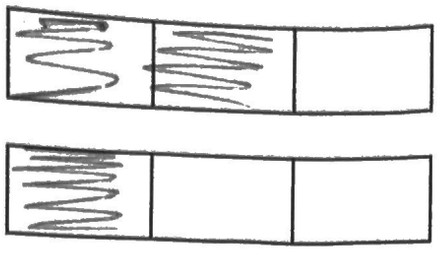
c)  $\frac{5}{8}$

 $\frac{7}{8}$

d)  $\frac{3}{6}$

 $\frac{5}{6}$

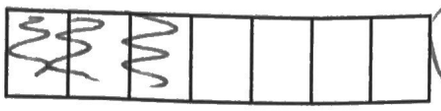
4. Shade the fractions of the strips. Then circle the smaller fraction.

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

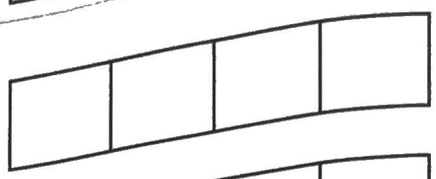
 $\frac{1}{3}$

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

 $\frac{6}{6}$

c)  $\frac{3}{7}$

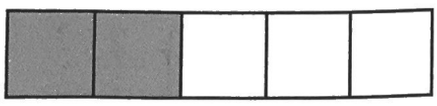
 $\frac{6}{7}$

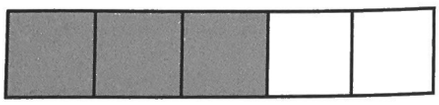
d)  $\frac{0}{4}$

 $\frac{1}{4}$

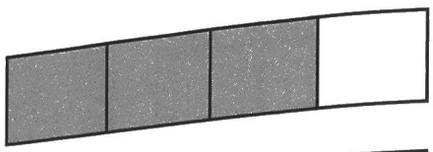
"5 is greater than 3" is written as $5 > 3$. "3 is less than 5" is written as $3 < 5$.

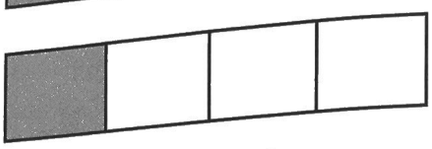
5. Circle the greater fraction. Then use the correct sign (< or >) to compare the fractions.

a)  $\frac{2}{5}$

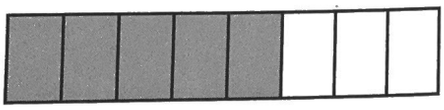
 $\frac{3}{5}$

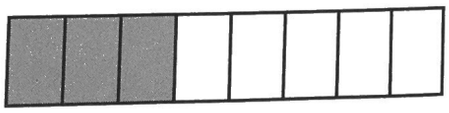
$\frac{2}{5} < \frac{3}{5}$

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

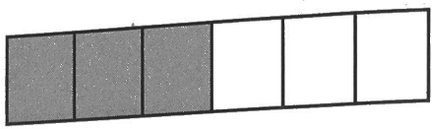
 $\frac{1}{4}$

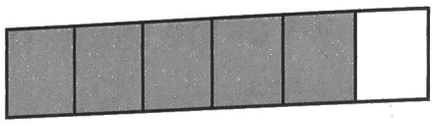
$\frac{3}{4} > \frac{1}{4}$

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

 $\frac{3}{8}$

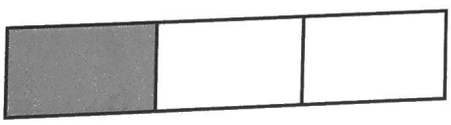
$\frac{5}{8} > \frac{3}{8}$

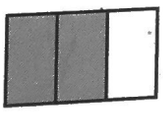
d)  $\frac{3}{6}$

 $\frac{5}{6}$

$\frac{3}{6} < \frac{5}{6}$

6. Jessica looked at the pictures and said that $\frac{1}{3} > \frac{2}{3}$. Explain her mistake.

$\frac{1}{3}$ 

$\frac{2}{3}$ 

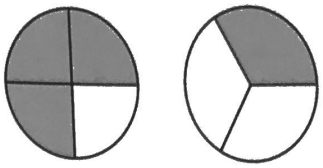
Her shapes were not the same size

7. Find the circle that has more shaded. Circle the greater fraction.

a)

$\frac{1}{2}$ $\frac{2}{3}$

b)



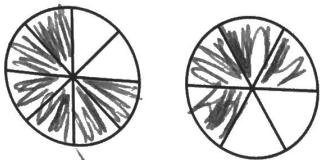
$\frac{3}{4}$ $\frac{1}{3}$

8. Shade the fraction of the circle. Circle the smaller fraction.

a)

$\frac{1}{4}$ $\frac{1}{3}$

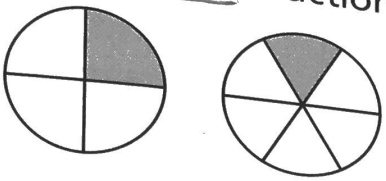
b)



$\frac{6}{8}$ $\frac{4}{6}$

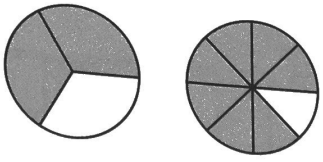
9. Circle the larger fraction. Then use the correct sign (< or >) to compare them.

a)



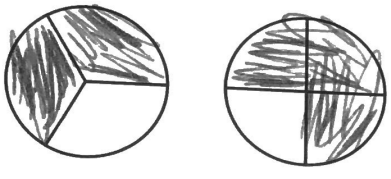
$\frac{1}{4}$ > $\frac{1}{6}$

b)



$\frac{2}{3}$ < $\frac{7}{8}$

10. Lily and Ed have two pizzas of equal size. Lily ate two thirds of her pizza. Ed ate three quarters of his pizza. Which fraction is bigger? Who ate more?

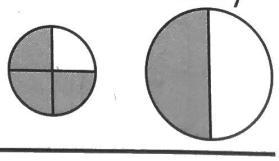


$\frac{2}{3}$ < $\frac{3}{4}$

Ed ate more.

11. John thinks he has more pizza than Mary because $\frac{3}{4} > \frac{1}{2}$. Is he correct? Explain.

John Mary



Yes because $\frac{3}{4}$ is bigger than $\frac{1}{2}$ BUT Their pizza's are different sizes, so mary has more.