

L.O. To compare fractions less than one.	Square	Hexagon	What I think	What my teacher thinks
Remember to/that:				
The denominator is the number below the line of the fraction (the equal part).			☐	☐
The numerator is the number above the line of the fraction (the number of equal parts).			☐	☐
Where the numerator is the same, compare the denominators.			☐	☐
Where the denominator is the same, compare the numerators.			☐	☐
Where both the numerators and denominators are different, look for a common numerator or a common denominator.			☐	☐
Do me first: $49 \div 7 =$ $49 \times 7 =$				

Write $>$, $<$ or $=$ to compare the fractions

$$\frac{3}{10} \bigcirc \frac{7}{10}$$

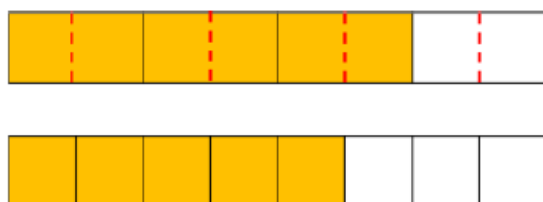
$\frac{3}{10}$ is _____ than $\frac{7}{10}$



When the denominators are the same, the _____ the numerator, the _____ the fraction.

When the denominators are the same, the _____ the numerator, the _____ the fraction.

Use bar models to compare $\frac{5}{8}$ and $\frac{3}{4}$



$>$

$<$

Use this method to help you compare:

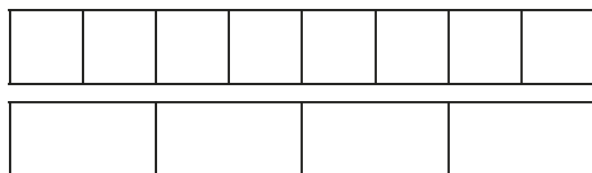
$$\frac{5}{6} \text{ and } \frac{2}{3}$$

$$\frac{2}{3} \text{ and } \frac{5}{9}$$

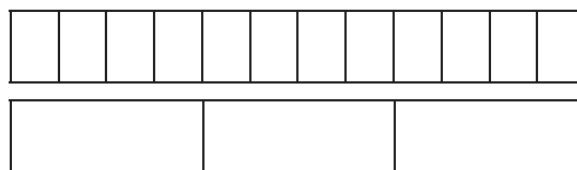
$$\frac{7}{16} \text{ and } \frac{3}{8}$$

Write <, > or = to compare the fractions.

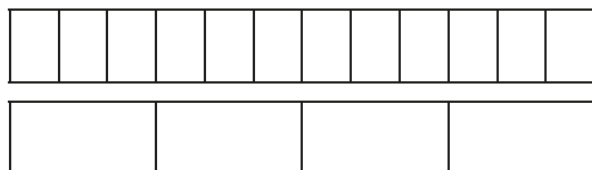
Use the bar models to help you.



$$\frac{7}{8} \bigcirc \frac{3}{4}$$



$$\frac{7}{12} \bigcirc \frac{2}{3}$$



$$\frac{9}{12} \bigcirc \frac{3}{4}$$

What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

a) $\frac{\boxed{}}{5} < \frac{5}{15}$

d) $\frac{\boxed{}}{3} < \frac{5}{6}$

g) $\frac{6}{9} < \frac{5}{\boxed{}}$

b) $\frac{\boxed{}}{6} < \frac{5}{12}$

e) $\frac{3}{5} < \frac{5}{\boxed{}}$

h) $\frac{10}{12} < \frac{5}{\boxed{}}$

c) $\frac{\boxed{}}{12} < \frac{5}{6}$

f) $\frac{5}{6} < \frac{5}{\boxed{}}$

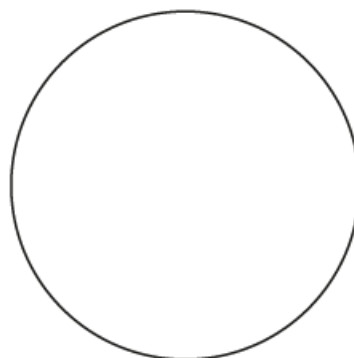
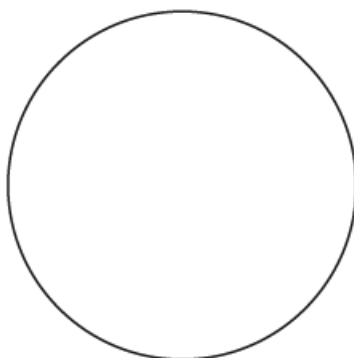
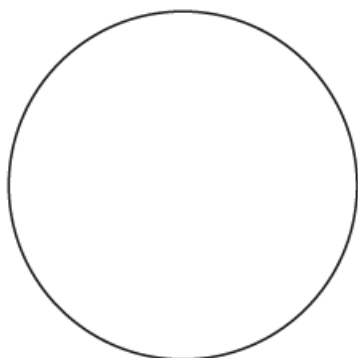
i) $\frac{23}{24} < \frac{5}{\boxed{}}$

Sort the fractions into the circles.

greater than $\frac{1}{3}$

equal to $\frac{1}{3}$

less than $\frac{1}{3}$



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

$$\frac{1}{6}$$

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

$$\frac{2}{6}$$

$$\frac{2}{9}$$

$$\frac{5}{12}$$

$$\frac{4}{12}$$

$$\frac{4}{15}$$

$$\frac{5}{15}$$

L.O. To compare fractions less than one. Pentagon Quadrilateral	What I think	What my teacher thinks
Remember to/that:		
The denominator is the number below the line of the fraction (the equal part).	☐	☐
The numerator is the number above the line of the fraction (the number of equal parts).	☐	☐
Where the numerator is the same, compare the denominators.	☐	☐
Where the denominator is the same, compare the numerators.	☐	☐
Where both the numerators and denominators are different, look for a common numerator or a common denominator.	☐	☐
Do me first: $58 \div 7 =$ $158 \times 7 =$		

Write $>$, $<$ or $=$ to compare the fractions

$$\frac{3}{10} \bigcirc \frac{7}{10}$$

$\frac{3}{10}$ is _____ than $\frac{7}{10}$



When the denominators are the same, the _____ the numerator, the _____ the fraction.

When the denominators are the same, the _____ the numerator, the _____ the fraction.

Pearl has ordered these fractions from smallest to largest. Is she correct?

$$\frac{1}{4} \quad \frac{3}{8} \quad \frac{1}{2} \quad \frac{3}{4} \quad \frac{7}{8}$$

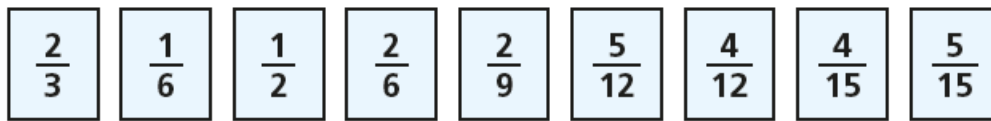
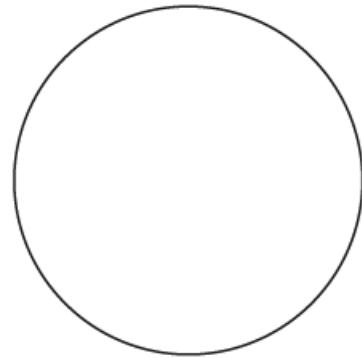
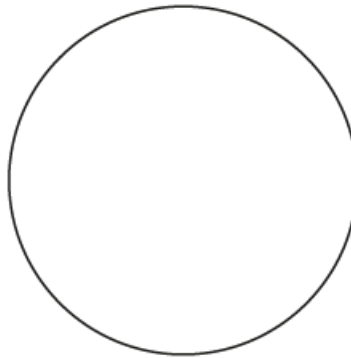
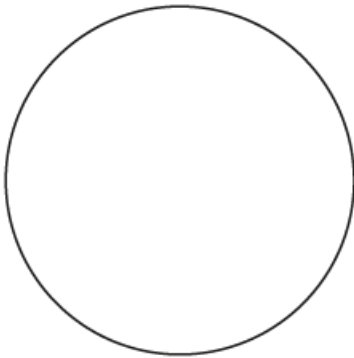
Show your working out to prove your answer.

Sort the fractions into the circles.

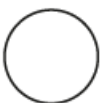
greater than $\frac{1}{3}$

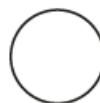
equal to $\frac{1}{3}$

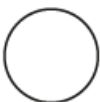
less than $\frac{1}{3}$

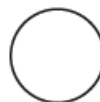


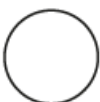
Write $<$, $>$ or $=$ to compare the fractions.

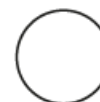
a) $\frac{1}{5}$  $\frac{4}{15}$

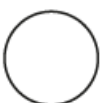
g) $\frac{2}{9}$  $\frac{1}{3}$

b) $\frac{2}{5}$  $\frac{4}{15}$

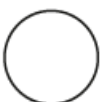
h) $\frac{4}{9}$  $\frac{1}{3}$

c) $\frac{2}{5}$  $\frac{6}{15}$

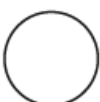
i) $\frac{4}{12}$  $\frac{1}{3}$

d) $\frac{2}{3}$  $\frac{6}{15}$

j) $\frac{8}{12}$  $\frac{2}{3}$

e) $\frac{2}{3}$  $\frac{6}{12}$

k) $\frac{8}{12}$  $\frac{3}{3}$

f) $\frac{2}{3}$  $\frac{6}{9}$

l) $\frac{8}{12}$  $\frac{3}{4}$

Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

--	--	--	--	--	--	--	--	--	--

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

--	--	--	--	--	--	--	--	--	--

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

Tommy and Eva are comparing fractions.

$\frac{2}{3}$	$\frac{8}{12}$	$\frac{4}{9}$
---------------	----------------	---------------



Tommy

I found a common denominator of 36 to compare the fractions.

I found a common numerator of 4 to compare the fractions.



Eva

Whose method is more efficient? _____

Jason has drawn two bar models to compare $\frac{3}{4}$ and $\frac{2}{8}$.



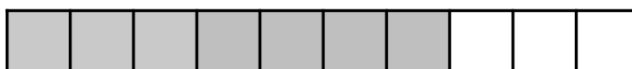
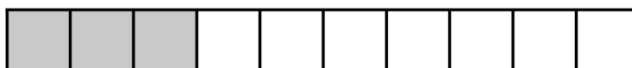
a) Explain the mistakes that Jason has made.

L.O. To compare fractions less than one.	Triangle	What I think	What my teacher thinks
Remember to/that:			
The denominator is the number below the line of the fraction (the equal part).		☐	☐
The numerator is the number above the line of the fraction (the number of equal parts).		☐	☐
Where the numerator is the same, compare the denominators.		☐	☐
Where the denominator is the same, compare the numerators.		☐	☐
Where both the numerators and denominators are different, look for a common numerator or a common denominator.		☐	☐
Do me first: $158 \div 7 =$ $58 \times 27 =$			

Write $>$, $<$ or $=$ to compare the fractions

$$\frac{3}{10} \bigcirc \frac{7}{10}$$

$\frac{3}{10}$ is _____ than $\frac{7}{10}$



When the denominators are the same, the _____ the numerator, the _____ the fraction.

When the denominators are the same, the _____ the numerator, the _____ the fraction.

Write $<$, $>$ or $=$ to compare the fractions.

a) $\frac{1}{5}$ $\frac{4}{15}$

g) $\frac{2}{9}$ $\frac{1}{3}$

b) $\frac{2}{5}$ $\frac{4}{15}$

h) $\frac{4}{9}$ $\frac{1}{3}$

c) $\frac{2}{5}$ $\frac{6}{15}$

i) $\frac{4}{12}$ $\frac{1}{3}$

d) $\frac{2}{3}$ $\frac{6}{15}$

j) $\frac{8}{12}$ $\frac{2}{3}$

e) $\frac{2}{3}$ $\frac{6}{12}$

k) $\frac{8}{12}$ $\frac{3}{3}$

f) $\frac{2}{3}$ $\frac{6}{9}$

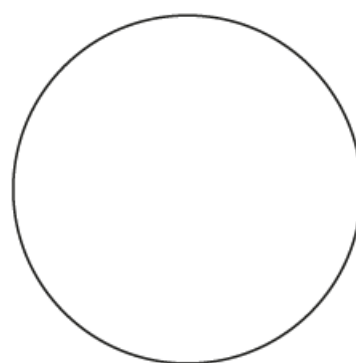
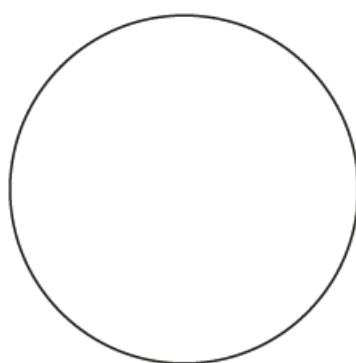
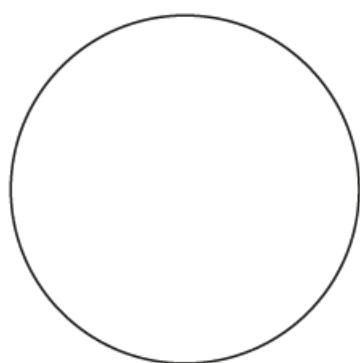
l) $\frac{8}{12}$ $\frac{3}{4}$

Sort the fractions into the circles.

greater than $\frac{1}{3}$

equal to $\frac{1}{3}$

less than $\frac{1}{3}$



$\frac{2}{3}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{2}{6}$	$\frac{2}{9}$	$\frac{5}{12}$	$\frac{4}{12}$	$\frac{4}{15}$	$\frac{5}{15}$
---------------	---------------	---------------	---------------	---------------	----------------	----------------	----------------	----------------

Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

What could the missing numerator be?

$$\frac{3}{5} < \frac{\boxed{}}{15} < \frac{9}{10}$$

Write all four possibilities.

$$\frac{\boxed{}}{15}$$

$$\frac{\boxed{}}{15}$$

$$\frac{\boxed{}}{15}$$

$$\frac{\boxed{}}{15}$$

Harriet is thinking of a fraction that is larger than $\frac{1}{3}$ but smaller than $\frac{9}{12}$. The denominator is a multiple of 3.

a) What fraction could it be? Draw three bar models to prove your answer.

[illegible]

b) Leo says that Harriet could be thinking of $\frac{5}{6}$. Prove whether he is right or wrong.

[illegible]