

Lesson
16

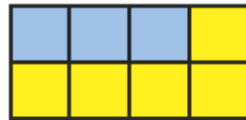
Comparing Fractions

In Focus



Amira

I get 3 pieces.



Sam

I get 5 pieces.

Who gets more?

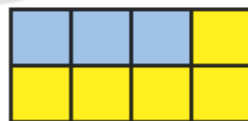
Are there other ways for Sam to get more pieces than Amira?

Let's Learn

1

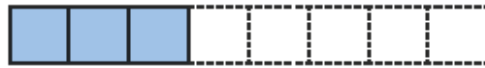


$\frac{3}{8}$



$\frac{5}{8}$

$\frac{3}{8}$



$\frac{5}{8}$



Putting the information into a bar model can help you see more clearly who has more.

$\frac{5}{8}$ is more than $\frac{3}{8}$.

$\frac{3}{8}$ is less than $\frac{5}{8}$.

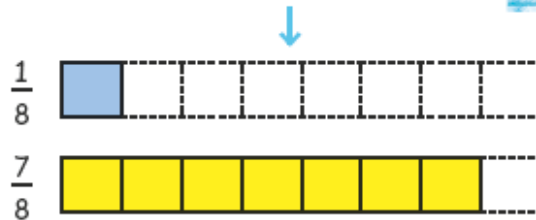
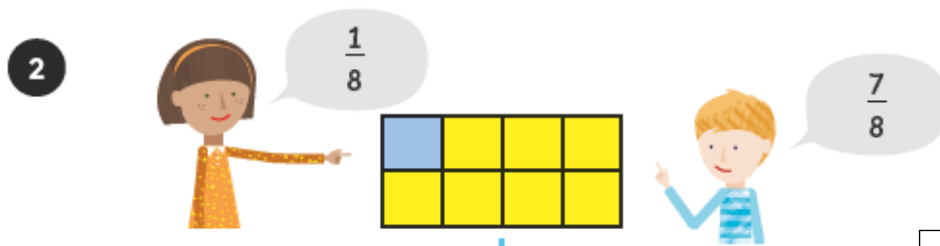
Sam gets more pieces than Amira.

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

What do you notice about comparing fractions when the denominator is the same? Is it easy or difficult? Why?

This is a long lesson so there are no additional tasks.

What other ways can Sam have more than Amira?

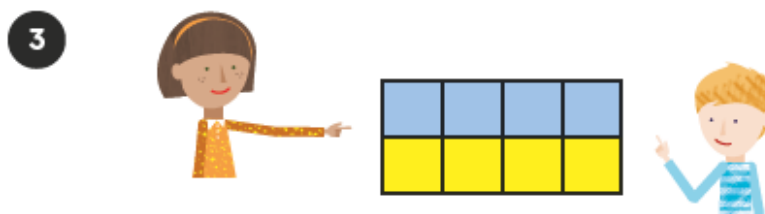


Notice the symbols for
>Greater than
<Less than

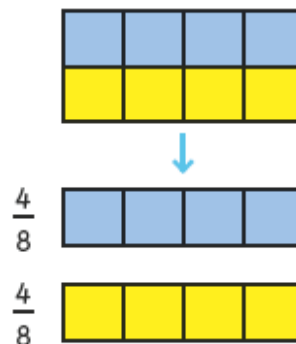
$\frac{7}{8}$ is more than $\frac{1}{8}$.
 $\frac{1}{8}$ is less than $\frac{7}{8}$.

$$\frac{7}{8} > \frac{1}{8}$$

$$\frac{1}{8} < \frac{7}{8}$$



What about this way?
 Does Sam get more than Amira?



$$\frac{4}{8} = \frac{\quad}{\quad}$$

A girl with long dark hair and a yellow dress is shown next to a speech bubble containing the equation $\frac{4}{8} = \frac{\quad}{\quad}$.

This is a long lesson so there are no additional tasks.

4



What about this way?

Does Sam get more than Amira?



$$\frac{2}{8} = \frac{\square}{\square}$$



$$\frac{6}{8} = \frac{\square}{\square}$$



$\frac{6}{8}$ is more than $\frac{2}{8}$.

$$\frac{6}{8} > \frac{2}{8}$$

We can also say: $\frac{3}{4}$ is more than $\frac{1}{4}$.

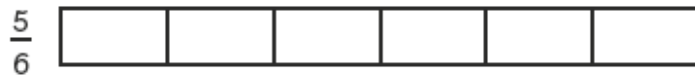
$$\frac{3}{4} > \frac{1}{4}$$

Can you simplify 6/8?

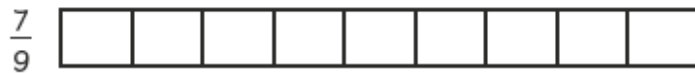
This is a long lesson so there are no additional tasks.

Guided Practice


- 1 Which number is greater?




- 2 Which number is smaller?



- 3 Compare using =, < or >.

(a) $\frac{2}{7}$  $\frac{5}{7}$

(b) $\frac{4}{5}$  $\frac{3}{5}$

(c) $\frac{8}{11}$  $\frac{7}{11}$

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

This is a long lesson so there are no additional tasks.

Name: _____ Class: _____ Date: _____

Worksheet 16

Comparing Fractions


- 1 Compare the fractions and fill in the blanks.
Shade the bars to help you.

(a) $\frac{1}{3}$ 

$\frac{2}{3}$ 

is greater than .

(b) $\frac{2}{6}$ 

$\frac{5}{6}$ 

is greater than .

(c) $\frac{7}{11}$ 

$\frac{9}{11}$ 

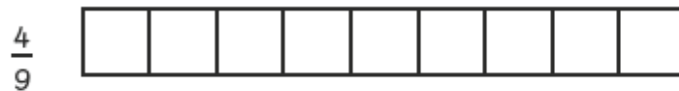
is smaller than .

This is a long lesson so there are no additional tasks.

- 2 Compare the fractions and fill in the blanks with fractions, > or <. Shade the bars to help you.



is greater than .



is smaller than .

ANSWERS BELOW

This is a long lesson so there are no additional tasks.

Guided Practice

1 Which number is greater?



$\frac{5}{6}$

2 Which number is smaller?



$\frac{4}{9}$

3 Compare using =, < or >.

(a) $\frac{2}{7}$ < $\frac{5}{7}$

(b) $\frac{4}{5}$ > $\frac{3}{5}$

(c) $\frac{8}{11}$ > $\frac{7}{11}$

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

This is a long lesson so there are no additional tasks.

Name: _____ Class: _____ Date: _____



Worksheet 16

Comparing Fractions

- 1 Compare the fractions and fill in the blanks.
Shade the bars to help you.



$\frac{2}{3}$ is greater than $\frac{1}{3}$.



$\frac{5}{6}$ is greater than $\frac{2}{6}$.



$\frac{7}{11}$ is smaller than $\frac{9}{11}$.

This is a long lesson so there are no additional tasks.

- 2 Compare the fractions and fill in the blanks with fractions, > or <. Shade the bars to help you.



$\frac{6}{12}$ is greater than $\frac{1}{12}$.

$\frac{1}{12}$ < $\frac{6}{12}$



$\frac{4}{9}$ is smaller than $\frac{5}{9}$.

$\frac{5}{9}$ > $\frac{4}{9}$