



Comparing Fractions

Lesson 17

In Focus

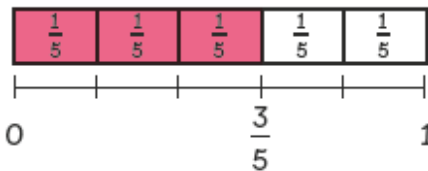
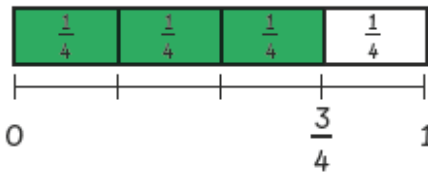
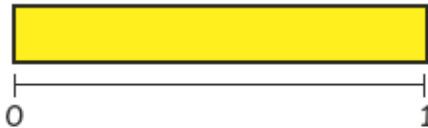
Which number is greater,

$\frac{3}{4}$ or $\frac{3}{5}$?



Let's Learn

1



$\frac{3}{4}$ is greater than $\frac{3}{5}$.

This is 1.



This is $\frac{3}{4}$.



This is $\frac{3}{5}$.

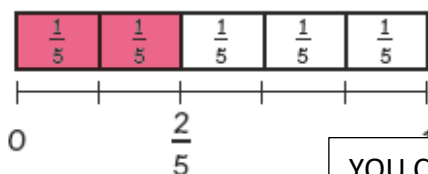
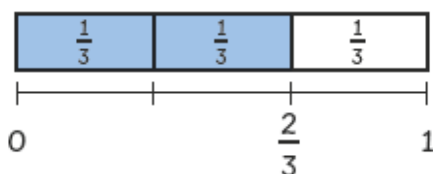


$\frac{3}{4} > \frac{3}{5}$



REMEMBER THE DENOMINATOR
DESCRIBES HOW MANY EQUAL PARTS
SOMETHING IS DIVIDED INTO.

- 2 Compare $\frac{2}{3}$ and $\frac{2}{5}$.



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

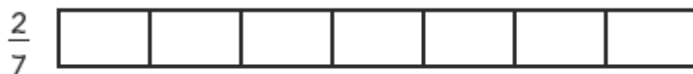
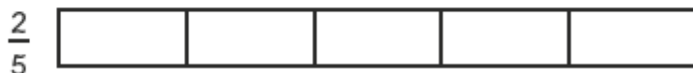
=, > or <



YOU CAN COLOUR IN THE BARS TO HELP YOU VISUALISE WHICH FRACTION IS BIGGER.

Guided Practice

- 1 Which number is greater?




- 2 Which number is smaller?



- 3 Compare using =, > or <.

(a) $\frac{1}{4}$  $\frac{1}{6}$

(b) $\frac{3}{4}$  $\frac{3}{7}$

(c) $\frac{7}{8}$  $\frac{5}{9}$

Complete Worksheet 17 – Page 109 – 110

IF YOU ARE NOT READY TO MOVE ON FROM COLOURING IN BARS TO HELP YOU VISUALISE WHICH FRACTION IS BIGGER THEN CONTINUE TO COLOUR IN BARS TO HELP YOU.

Name: _____ Class: _____ Date: _____

Worksheet 17

Comparing Fractions

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

(a) $\frac{3}{7}$

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

$\frac{3}{5}$

--	--	--	--	--

--

 is smaller than

--

 .

(b) $\frac{2}{9}$

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

$\frac{2}{11}$

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

--

 is greater than

--

 .

(c) $\frac{4}{9}$

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

$\frac{4}{10}$

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

--

 is greater than

--

 .

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

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

$\frac{3}{7}$ 

is smaller than .

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

(b) $\frac{5}{9}$ 

$\frac{5}{11}$ 

is smaller than .

$\frac{5}{9}$ $\frac{5}{11}$

Compare Fractions with the Same Denominator

Mohammed says, "When I compare fractions with the same denominator, I look at the numerator."

Discuss with a partner how Mohammed is correct. Is there anything else he needs to say?

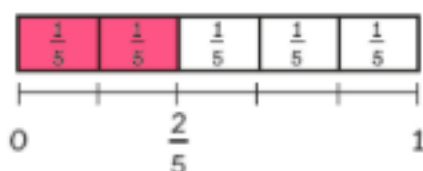
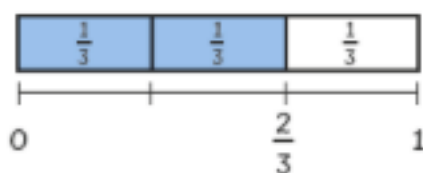
Write your own instructions for comparing fractions with the same denominator, and show an example.



ANSWERS BELOW



- 2 Compare $\frac{2}{3}$ and $\frac{2}{5}$.



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

=, > or <



Guided Practice

<

- 1 Which number is greater?



$$\frac{2}{5}$$

- 2 Which number is smaller?



$$\frac{3}{5}$$

- 3 Compare using =, > or <.

(a) $\frac{1}{4} > \frac{1}{6}$

(b) $\frac{3}{4} > \frac{3}{7}$

(c) $\frac{7}{8} > \frac{5}{9}$

Complete Worksheet 17 – Page 109 – 110



Name: _____ Class: _____ Date: _____

Worksheet 17

Comparing Fractions

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



$\frac{3}{7}$ is smaller than $\frac{3}{5}$.



$\frac{2}{9}$ is greater than $\frac{2}{11}$.



$\frac{4}{9}$ is greater than $\frac{4}{10}$.



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



$\frac{3}{7}$ is smaller than $\frac{3}{4}$.

$\frac{3}{4}$ > $\frac{3}{7}$



$\frac{5}{11}$ is smaller than $\frac{5}{9}$.

$\frac{5}{9}$ > $\frac{5}{11}$

Compare Fractions with the Same Denominator

Mohammed says, "When I compare fractions with the same denominator, I look at the numerator."

Discuss with a partner how Mohammed is correct. Is there anything else he needs to say?

Write your own instructions for comparing fractions with the same denominator, and show an example.

When comparing fractions with the same denominator, the smaller the numerator, the smaller the fraction: $\frac{3}{8} < \frac{7}{8}$

