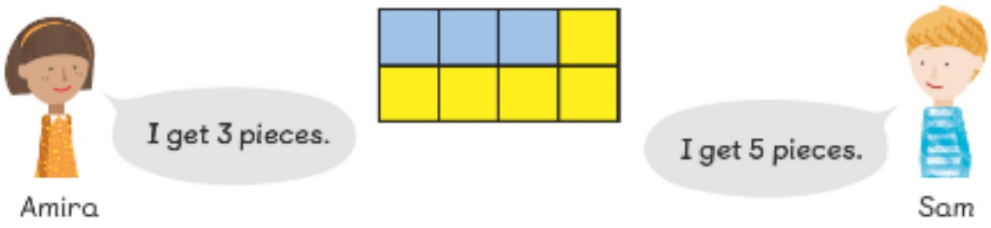
21/1/21

Comparing Fractions

In Focus



Who gets more?

What is the fraction for Amira's pieces?

Explain how you worked that out.

Comparing Fractions

In Focus

Who gets more?

What is the fraction for Sam's pieces?

Explain how you worked that out.

Comparing Fractions

In Focus

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

Show me how you could represent those fractions in different ways.

E.g. Think about bar model, circles, numberlines...

Comparing Fractions

In Focus

Who gets more?

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

E.g. Think about bar model, circles, numberlines...

Comparing Fractions

In Focus

Amira

Sam

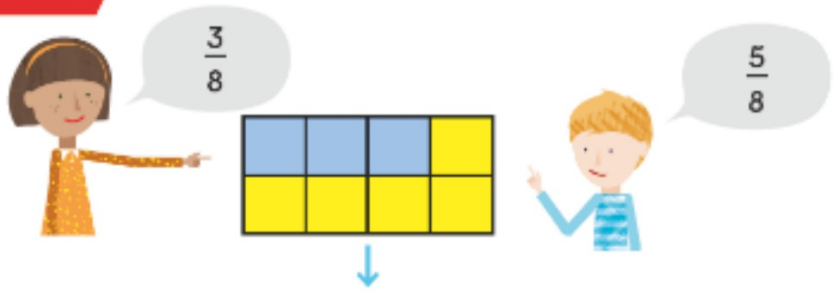
Who gets more?

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

Does Sam still have more pieces than Amira?

Let's Learn

1



Amira $\frac{3}{8}$

Sam $\frac{5}{8}$

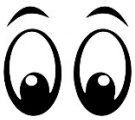
$\frac{5}{8}$ is more than $\frac{3}{8}$.

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

Sam gets more pieces than Amira.

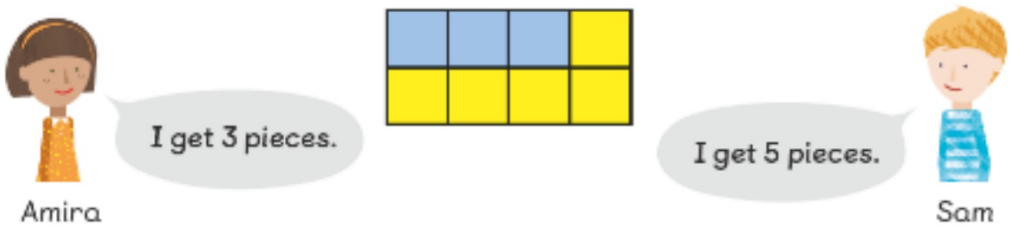
$\frac{5}{8} > \frac{3}{8}$

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



Watch video clip "Explanation 1"

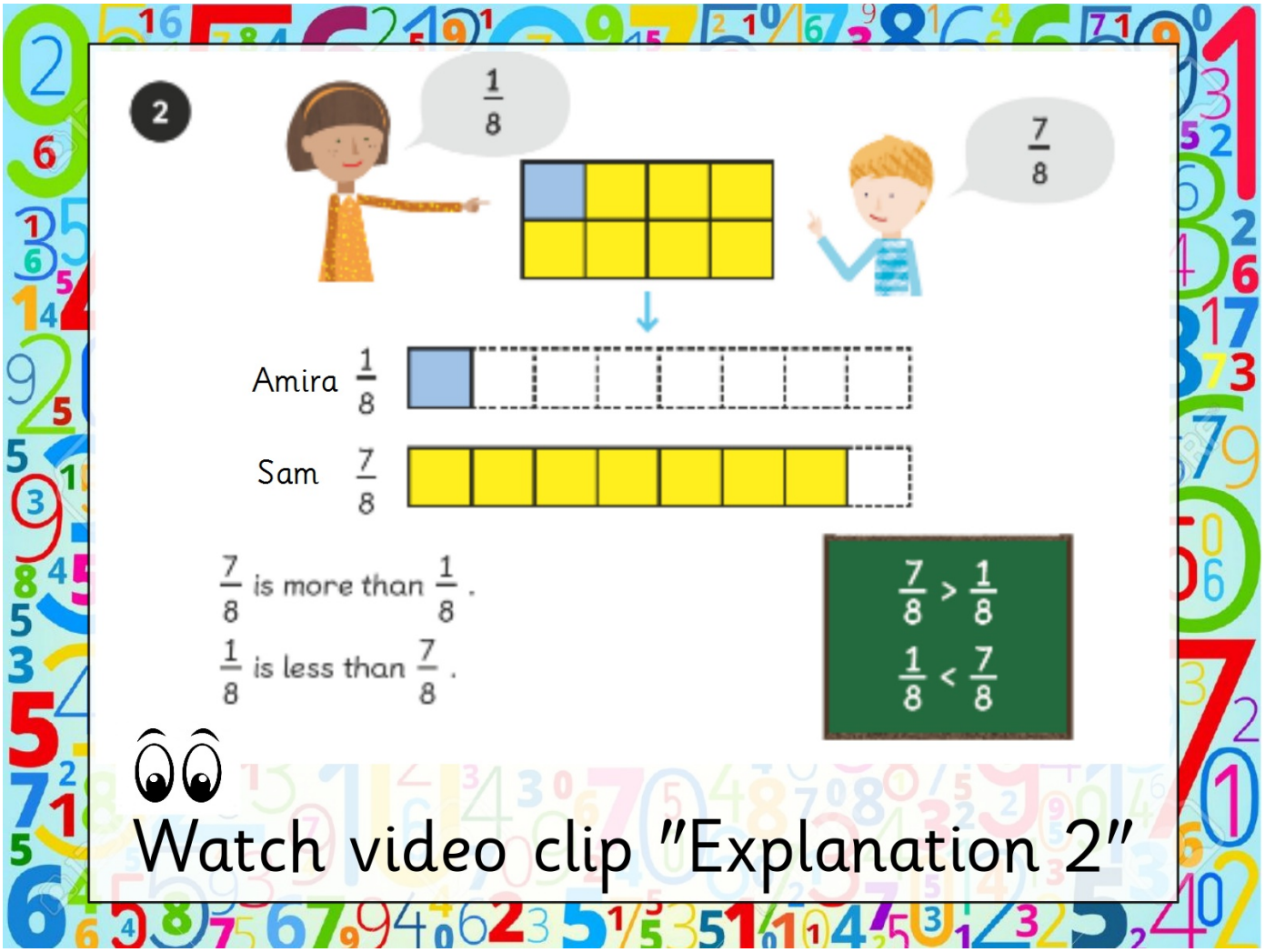
In Focus



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

Explore this

By looking at this grid, can you see any other possibilities of Sam getting more pieces than Amira?



Watch video clip "Explanation 2"

3

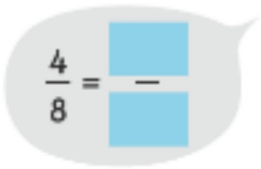
What about this way?
Does Sam get more than Amira?

Amira

Sam

$\frac{4}{8}$

$\frac{4}{8}$

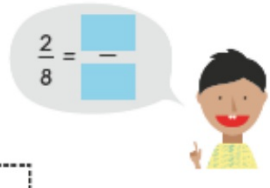


What would that be in its simplest form?

Watch video clip "Explanation 3"

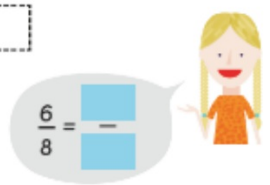
4

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



Amira $\frac{2}{8}$

Sam $\frac{6}{8}$



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

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

Write their fractions in the simplest form.

4

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

÷2

$\frac{2}{8} = \frac{1}{4}$

Amira $\frac{2}{8}$

Sam $\frac{6}{8}$

÷2

$\frac{6}{8} = \frac{3}{4}$

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

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

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

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

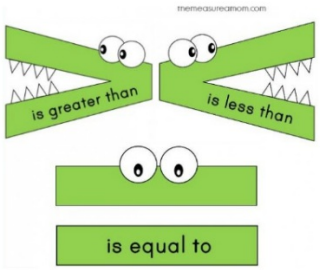
Write their fractions in the simplest form.

Guided Practice

1 Which number is greater?

$\frac{1}{6}$

$\frac{5}{6}$



2 Which number is smaller?

$\frac{4}{9}$

$\frac{7}{9}$

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) $\frac{2}{7}$ ☐ $\frac{7}{2}$

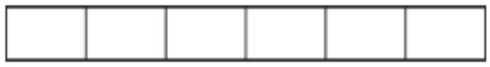
Comparing Fractions

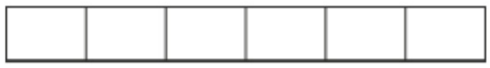
1 Compare the fractions and fill in the blanks.
Shade the bars to help you.

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

$\frac{2}{3}$ 

☐ is greater than ☐.

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

$\frac{5}{6}$ 

☐ is greater than ☐.

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

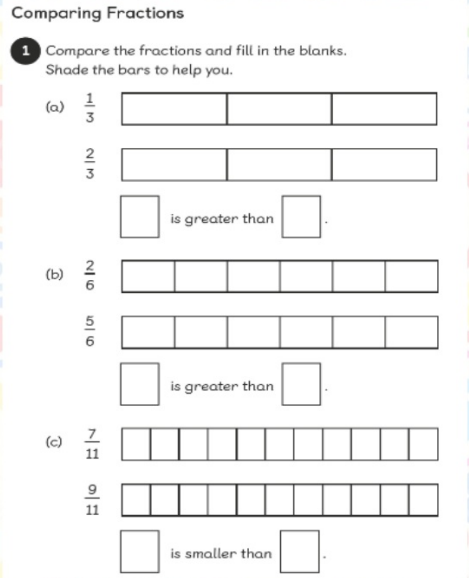
$\frac{9}{11}$ 

☐ is smaller than ☐.

Complete worksheet

Going Deeper

Challenge! Find equivalent fractions for each of those diagrams. You could make the parts smaller or larger.



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 □.