Comparing Fractions

In Focus

Sam and Ruby each have a paper circle of the same size.

You could try this with paper to help you understand. You can cut, fold or colour your paper to help you understand.

Sam cuts the circle into 2 equal parts and keeps 1 part.
Ruby cuts the circle into 4 equal parts and keeps 1 part.
Who keeps a bigger part, Sam or Ruby?

Let's Learn

1 Which is greater, $\frac{1}{2}$ or $\frac{1}{4}$?

Use ⊕ or [½] to show each fraction and compare.

$\frac{1}{2}$

$\frac{1}{4}$
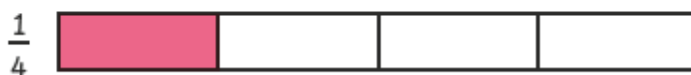
$\frac{1}{2}$ is greater than $\frac{1}{4}$.

2 $\frac{1}{4}$

$\frac{1}{2}$

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

So, $\frac{1}{2}$ is greater than $\frac{1}{4}$.
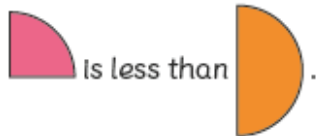
2 quarters is greater than 1 quarter.

3 Ruby cuts ⬤ into 4 equal parts.

Sam cuts ⬤ into 2 equal parts.

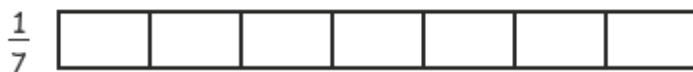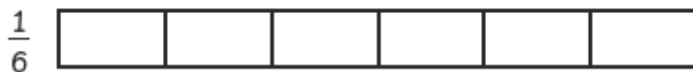The parts Ruby gets are smaller.

◣ is less than ◗ .

So, $\frac{1}{4}$ is less than $\frac{1}{2}$.

$\frac{1}{2}$ is greater than $\frac{1}{4}$.

1 Which number is greater?

$\frac{1}{4}$

$\frac{1}{5}$

2 Which number is smaller?

$\frac{1}{6}$

$\frac{1}{7}$

3 Compare using =, < or >.

(a) $\frac{1}{2}$ ☐ $\frac{1}{10}$

(b) $\frac{1}{2}$ ☐ $\frac{1}{3}$

(c) $\frac{1}{10}$ ☐ $\frac{1}{3}$

You can still draw a bar model with these to help you.

Complete Worksheet **15** – Page **105 – 106**

Name: _____ Class: _____ Date: _____

Comparing Fractions

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

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

$\frac{1}{5}$

[ ] is greater than [ ] .

(b) $\frac{1}{6}$

$\frac{1}{5}$

[ ] is greater than [ ] .

(c) $\frac{1}{11}$

$\frac{1}{3}$

[ ] is smaller than [ ] .

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

(a) $\frac{1}{2}$

$\frac{1}{10}$

☐ Is greater than ☐ .

$\frac{1}{2}$ ☐ $\frac{1}{10}$

(b) $\frac{1}{4}$

$\frac{1}{6}$

☐ Is smaller than ☐ .

$\frac{1}{6}$ ☐ $\frac{1}{4}$

MASTERY BELOW

True or False?

Five tenths is $\frac{2}{10}$ smaller than 7 tenths.

Five tenths is $\frac{2}{10}$ larger than three tenths.

Do you agree?
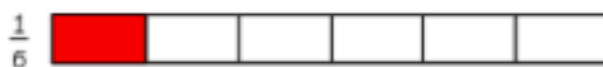
Explain why.

ANSWERS BELOW

1 Which number is greater?

$\frac{1}{4}$

$\frac{1}{5}$

$\boxed{\frac{1}{4}}$

2 Which number is smaller?

$\frac{1}{6}$

$\frac{1}{7}$

$\boxed{\frac{1}{7}}$

3 Compare using =, < or >.

(a) $\frac{1}{2}$ $\boxed{>}$ $\frac{1}{10}$

(b) $\frac{1}{2}$ $\boxed{>}$ $\frac{1}{3}$

(c) $\frac{1}{10}$ $\boxed{<}$ $\frac{1}{3}$

Complete Worksheet 15 – Page 105 - 106

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

(a) $\frac{1}{2}$

$\frac{1}{10}$

| 1/2 | is greater than | 1/10 | . |

| $\frac{1}{2}$ | > | $\frac{1}{10}$ |

(b) $\frac{1}{4}$

$\frac{1}{6}$

| 1/6 | is smaller than | 1/4 | . |

| $\frac{1}{6}$ | < | $\frac{1}{4}$ |

Worksheet 15

Comparing Fractions

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

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

$\frac{1}{5}$

| 1/3 | is greater than | 1/5 | . |

(b) $\frac{1}{6}$

$\frac{1}{5}$

| 1/5 | is greater than | 1/6 | . |

(c) $\frac{1}{11}$

$\frac{1}{3}$

| 1/11 | is smaller than | 1/3 | . |