Compare and Order Fractions More than 1

Use bar models to compare $\frac{7}{6}$ and $\frac{5}{3}$.

$\boxed{}$ > $\boxed{}$

1. Compare the following fractions $\frac{11}{10}$ and $\frac{8}{5}$.

$\boxed{}$ > $\boxed{}$

2. Can you predict which fraction will be the greatest, $\frac{4}{3}$ or $\frac{7}{6}$? Explain how you know. You may wish to draw a bar model to help you explain.

$\boxed{}$ > $\boxed{}$

Compare and Order Fractions More than 1

3. Tarjinder looks at the fractions $2\frac{4}{15}$ and $2\frac{3}{5}$. He says, "$2\frac{3}{5}$ is the smallest fraction because the numerator is smaller." Is he correct? Explain your thinking. You may wish to draw a model to support your thinking.

$\boxed{}$ > $\boxed{}$

_____

_____

4. Lily writes the improper fraction for each of Tarjinder's visual representations. She also has the fraction $2\frac{7}{10}$ and orders all three fractions from smallest to greatest. Is she correct? Explain your thinking.

$\boxed{}$ > $\boxed{}$ > $\boxed{}$
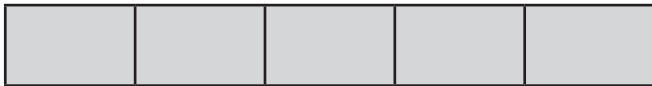
_____

_____

Compare and Order Fractions More than 1

5. Jack has $\frac{13}{5}$ as a fraction and compares it to Lucy's fraction of $\frac{10}{3}$. Who has the greater fraction? Explain your thinking. You may wish to draw a model to support your thinking.
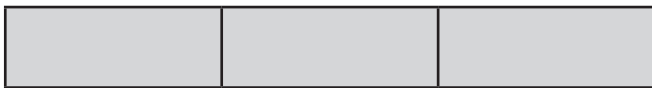
$\boxed{}$ > $\boxed{}$

_____

_____

Compare and Order Fractions More than 1 **Answers**

1. Compare the following fractions $\frac{11}{10}$ and $\frac{8}{5}$.

$$\boxed{\frac{8}{5}} \quad > \quad \boxed{\frac{11}{10}}$$

2. Can you predict which fraction will be the greatest, $\frac{4}{3}$ or $\frac{7}{6}$? Explain how you know. You may wish to draw a bar model to help you explain.

$$\boxed{\frac{4}{3}} \quad > \quad \boxed{\frac{7}{6}}$$

You can predict by imagining the two denominators being split into a bar model. Both numerators are one bigger than their denominators; therefore, we know we will have one full bar and one extra section of the next bar shaded in. The bar model that is split into three will cover a larger proportion of the bar as it is a smaller denominator; hence the fraction is greater.

Compare and Order Fractions More than 1 **Answers**

3. Tarjinder looks at the fractions $2\frac{4}{15}$ and $2\frac{3}{5}$. He says, "$2\frac{3}{5}$ is the smallest fraction because the numerator is smaller." Is he correct? Explain your thinking. You may wish to draw a model to support your thinking.

$$\boxed{\frac{3}{5}} \quad > \quad \boxed{\frac{4}{15}}$$

Tarjinder is incorrect as $2\frac{3}{5}$ is greater. We can compare the fractions $\frac{4}{15}$ and $\frac{3}{5}$ as both have a whole number of 2. See diagram for comparison of $\frac{4}{15}$ and $\frac{3}{5}$.

4. Lily writes the improper fraction for each of Tarjinder's visual representations. She also has the fraction $2\frac{7}{10}$ and orders all three fractions from smallest to greatest. Is she correct? Explain your thinking.

$$\boxed{2\frac{7}{10}} \quad > \quad \boxed{2\frac{3}{5}} \quad > \quad \boxed{2\frac{4}{15}}$$

Compare and Order Fractions More than 1 **Answers**

5. Jack has $\frac{13}{5}$ as a fraction and compares it to Lucy's fraction of $\frac{10}{3}$. Who has the greater fraction? Explain your thinking. You may wish to draw a model to support your thinking.
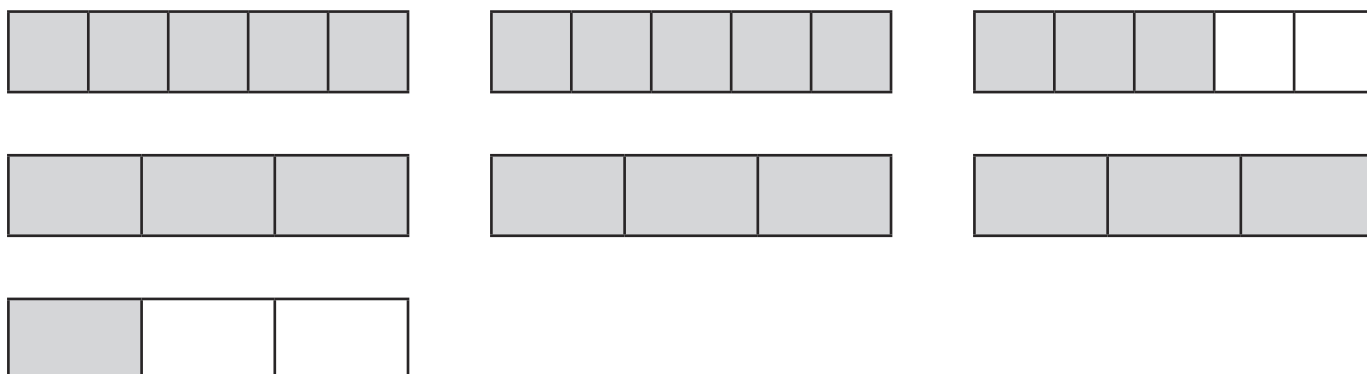
$$\frac{10}{3} > \frac{13}{5}$$

Lucy has the greater fraction.

You can predict by thinking 5 would divide into 13 twice with 3 remaining and 3 would divide into 10 three times with 1 remaining and 3 is clearly greater than 2 regardless of the remainder as shown by the diagram.