Red

1) Lucas has drawn two bar models to compare $1\frac{3}{4}$ and $1\frac{5}{8}$.

a) Explain the mistakes that Lucas has made.

b) What advice would you give Lucas to improve his understanding of fractions?

2) Phoebe has ordered these improper fractions and mixed numbers from smallest to greatest.

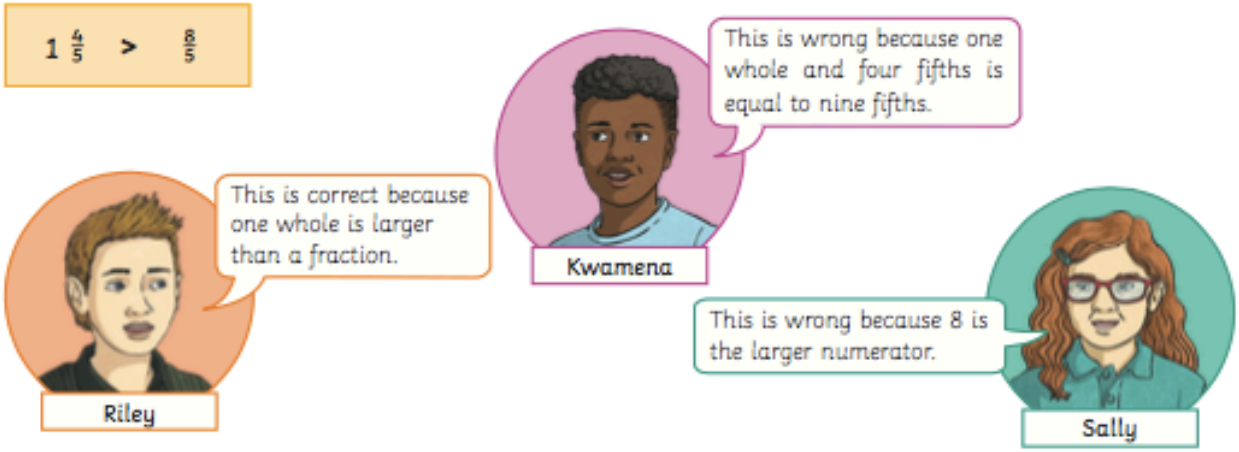
a) Circle her mistakes.

$\frac{1}{4}$ $\frac{10}{4}$ $\frac{10}{8}$ $3\frac{3}{4}$ 3

b) Write them in the correct order.

3)

$1\frac{4}{5} > \frac{8}{5}$



Who is right and who is wrong? Explain the mistakes that some of the children have made.

1) a) Lucas has drawn the bar models which show $\frac{3}{4}$ and $\frac{5}{8}$ different sizes – the whole bar needs to be the same size. Also, he has only drawn one square to represent one whole.

b) Children may suggest that Lucas needs to improve his understanding of what a whole is and how it is used in a mixed number.

2) a) $\frac{1}{4}$ $\frac{10}{4}$ $\frac{10}{8}$ $3\frac{3}{4}$ 3

b) $\frac{1}{4}$ $\frac{10}{8}$ $\frac{10}{4}$ 3 $3\frac{3}{4}$

3) Kwamena is correct.

Riley is wrong. Although one whole is larger than a fraction of a whole, an improper fraction is larger than one whole.

Sally is wrong. Although 8 is the larger numerator, we need to look at the denominators as well as the whole in the mixed number to tell which is the larger number or fraction.