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1) Jason has drawn two bar models to compare $\frac{3}{4}$ and $\frac{2}{8}$.

a) Explain the mistakes that Jason has made.

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

c) Draw two bar models to correctly compare these fractions.

$\frac{3}{4}$ ☐ $\frac{2}{8}$

2) Pearl has ordered these fractions from smallest to largest. Is she correct?

$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{7}{8}$

Show your working out to prove your answer.

1) a) *Jason has drawn his bars the wrong size, as the whole of each bar model needs to be the same size. Also, he has thought that the numerator and denominator added together show how many parts you should draw.*

b) *Children may suggest that Jason needs to understand that the numerator shows how many parts you have and the denominator shows how many parts there are overall.*

c) 

$\frac{3}{4} > \frac{2}{8}$

2) *The fractions can be compared using the common denominator of 8.*

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

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

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

Order from smallest to largest: $\frac{2}{8}, \frac{3}{8}, \frac{4}{8}, \frac{6}{8}, \frac{7}{8}$