

15.1.2021 (Friday) – L.I. Can I solve problems involving comparing fractions?

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

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

Show your working out to prove your answer.

How many different ways can you correctly fill in the missing numerator?

Your fraction needs to be less than 1. Prove your answers are correct using either bar models or your knowledge of equivalent fractions.

$$\frac{3}{5} > \frac{\square}{6}$$

Harriet is thinking of a fraction that is larger than $\frac{1}{3}$ but smaller than $\frac{9}{12}$. The denominator is a multiple of 3.

- a) What fraction could it be? Draw three bar models to prove your answer.
- b) Leo says that Harriet could be thinking of $\frac{5}{6}$. Prove whether he is right or wrong.

Eva and Alex each have two identical pizzas.

Eva says,

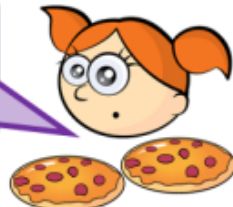


I have cut each pizza into 6 equal pieces and eaten 8



Alex says,

I have cut each pizza into 9 equal pieces and eaten 15



Who ate the most pizza?

Use a drawing to support your answer.

These fractions have been ordered from smallest to largest, what could the missing fraction be?

$$\frac{1}{10} \quad \frac{1}{5} \quad \square \quad \frac{1}{2} \quad \frac{3}{5}$$

Dora looks at the fractions $1\frac{7}{12}$ and $1\frac{3}{4}$

She says,



$1\frac{7}{12}$ is greater than $1\frac{3}{4}$ because the numerator is larger

Do you agree?