LO: Add two or more fractions.

Take two identical strips of paper.
Fold your paper into quarters.
Can you use the strips to solve

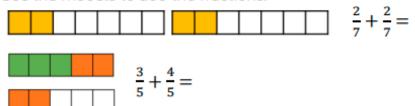$$\frac{1}{4}+\frac{1}{4} \qquad \frac{1}{4}+\frac{1}{4}+\frac{1}{4} \qquad \frac{3}{4}+\frac{3}{4} \qquad \frac{\Box}{4}+\frac{\Box}{4}=\frac{7}{4}$$

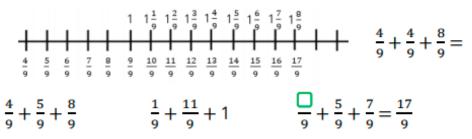What other fractions can you make and add?

Use the models to add the fractions:

$$\frac{2}{7}+\frac{2}{7}=$$

$$\frac{3}{5}+\frac{4}{5}=$$

Choose your preferred model to add:

$$\frac{2}{5}+\frac{1}{5} \qquad \frac{3}{7}+\frac{6}{7} \qquad \frac{7}{9}+\frac{4}{9}$$

Use the number line to add the fractions.

$$\frac{4}{9}+\frac{4}{9}+\frac{8}{9}=$$

$$\frac{4}{9}+\frac{5}{9}+\frac{8}{9} \qquad \frac{1}{9}+\frac{11}{9}+1 \qquad \frac{\Box}{9}+\frac{5}{9}+\frac{7}{9}=\frac{17}{9}$$

Alex is adding fractions.

$$\frac{3}{9}+\frac{2}{9}=\frac{5}{18}$$

Is she correct? Explain why.

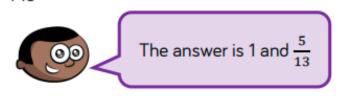How many different ways can you find to solve the calculation?

$$\frac{\Box}{\Box}+\frac{\Box}{\Box}=\frac{11}{9}$$

Mo and Teddy are solving:

$$\frac{6}{13}+\frac{5}{13}+\frac{7}{13}$$

Mo

The answer is 1 and $\frac{5}{13}$

Teddy

The answer is $\frac{18}{13}$

Who do you agree with?
Explain why.