Fluency:

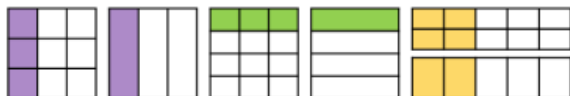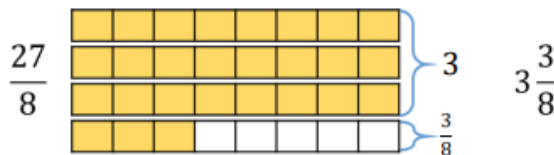Take two pieces of paper the same size.
Fold one piece into two equal pieces.
Fold the other into eight equal pieces.
What equivalent fractions can you find?

$$\frac{1}{2} = \frac{4}{8}$$
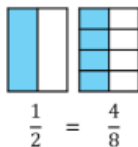
Use the models to write equivalent fractions.

Tommy converts the improper fraction $\frac{27}{8}$ into a mixed number using bar models.

$$\frac{27}{8} \qquad 3 \qquad \frac{3}{8} \qquad 3\frac{3}{8}$$

Complete the part-whole models and sentences.

There are ____ quarters altogether.

____ quarters = ____ whole and ____ quarter.

$$\frac{5}{4}$$

$$\frac{4}{4} = 1 \qquad \frac{1}{4}$$
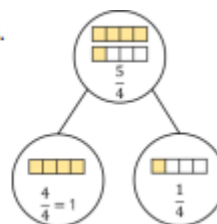
Problem Solving.

Jack has added 3 fractions together to get an answer of $\frac{17}{18}$

What 3 fractions could he have added?

How many different ways can you balance the equation?

$$\frac{5}{9} + \frac{\square}{9} = \frac{8}{9} + \frac{\square}{9}$$

How many different possibilities can you find for each equation?

$$2\frac{\square}{8} = \frac{\square}{8}$$

$$2\frac{\square}{5} = \frac{\square}{5}$$

Mathematical Talk:

How many quarters/halves/eighths/fifths are there in a whole?
How does multiplication support us in converting from mixed numbers to improper fractions?
Can you convert the mixed numbers to improper fractions?

Key Skills: identify multiples and factors, including finding all factor pairs of a number