Year 3 Maths   4-2-21

LO: I can compare unit fractions or fractions with the same denominator.

Parent Notes: Children compare unit fractions or fractions with the same denominator.
For unit fractions, children's natural tendency might be to say that ½ is smaller than ¼, as 2 is smaller than 4. Remind children how dividing something into more equal parts makes each part smaller.

Key Questions:

What fraction of the strip is shaded? What fraction of the strip is not shaded?
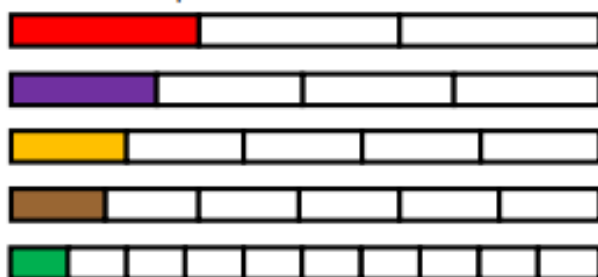
Why is it important that the strips are the same length and are lined up underneath each other?

Can you think of a unit fraction that is smaller than 1/10? Can you think of a unit fraction that is larger than 1/3?

Varied Fluency Questions:

1.

Use >, < or = to compare the fractions.

$$\frac{1}{10} \bigcirc \frac{1}{4} \qquad \frac{1}{3} \bigcirc \frac{1}{6} \qquad \frac{1}{5} \bigcirc \frac{1}{4}$$

When the numerators are the same, the _____ the denominator, the _____ the fraction.

2.

Use paper strips to compare the fractions using >, < or =

$$\frac{3}{4} \bigcirc \frac{1}{4} \qquad \frac{1}{6} \bigcirc \frac{5}{6} \qquad \frac{3}{8} \bigcirc \frac{5}{8}$$

When the denominators are the same, the _____ the numerator, the _____ the fraction.

<u>Reasoning Questions:</u>

3.

I know that $\frac{1}{3}$ is larger than $\frac{1}{2}$ because 3 is larger than 2

Do you agree with Dora?
Explain how you know.

4.

Complete the missing denominator.
How many different options can you find?

$$\frac{1}{2} > \frac{1}{\Box} > \frac{1}{10}$$

5.

Here are three fractions.

$$\frac{3}{8} \quad \frac{3}{5} \quad \frac{1}{8}$$

Which fraction is the largest? How do you know?

Which fraction is the smallest? How do you know?