Year 4 Maths 5-2-21

LO: I can add fractions with the same denominator.

Parent Notes: Children use practical equipment and pictorial representations to add two or more fractions with the same denominator where the total is less than 1.

They understand that we only add the numerators and the denominators stay the same.

Some paper circles and your fraction wall will help you with this learning.

Key Questions:

How many parts is the whole divided into?

How many parts am I adding?

What do you notice about the numerators?

What do you notice about the denominators?

Varied Fluency Questions:

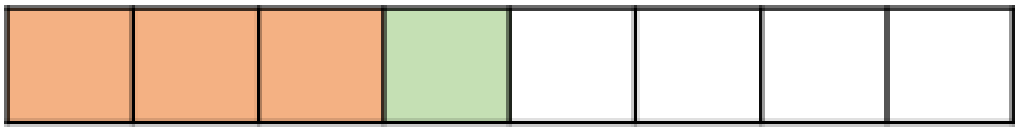
1.

Take a paper circle. Fold your circle to split it into 4 equal parts.
Colour one part red and two parts blue. Use your model to complete the sentences.

_____ quarter is red.
_____ quarters are blue.
_____ quarters are coloured in.

Show this as a number sentence. $\frac{\square}{4} + \frac{\square}{4} = \frac{\square}{4}$

2.



We can use this model to calculate $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$

Draw your own models to calculate

$\frac{1}{5} + \frac{2}{5} = \frac{\square}{5}$ $\frac{2}{7} + \frac{3}{7} + \frac{1}{7} = \frac{\square}{\square}$ $\frac{7}{10} + \frac{\square}{\square} = \frac{9}{10}$

3.

Eva eats $\frac{5}{12}$ of a pizza and Annie eats $\frac{1}{12}$ of a pizza.
What fraction of the pizza do they eat altogether?

Reasoning and Problem-Solving Questions:

4.

Rosie and Whitney are solving:

$$\frac{4}{7}+\frac{2}{7}$$

Rosie says,

The answer is $\frac{6}{7}$

Whitney says,

The answer is $\frac{6}{14}$

Who do you agree with?
Explain why.

Mo and Teddy share these chocolates.

They both eat an **odd** number of chocolates.
Complete this number sentence to show what fraction of the chocolates they each could have eaten.

$$\frac{\square}{\square}+\frac{\square}{\square}=\frac{12}{12}$$