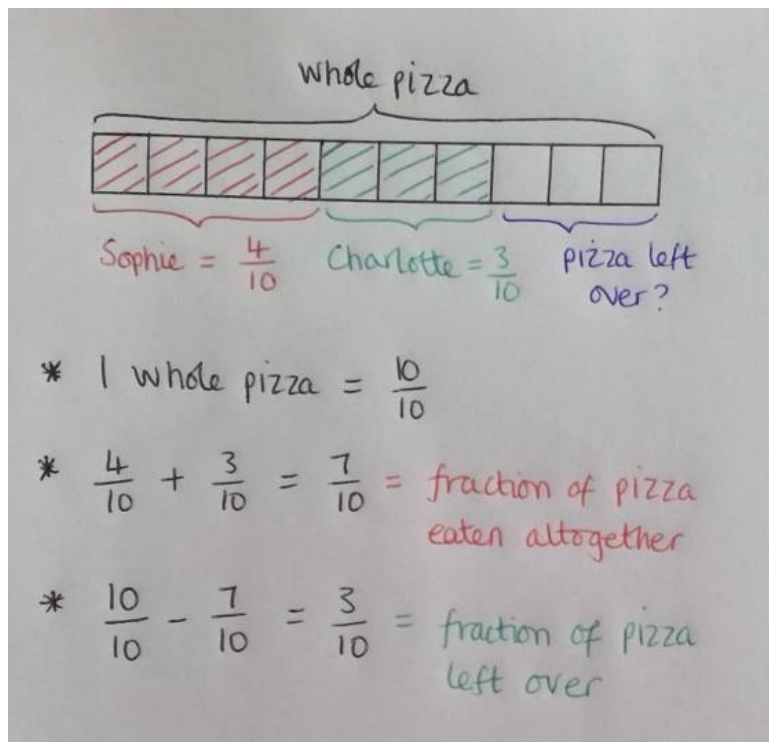


Objective: Add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)

Year 3 Task:

1. Sophie's Pizzas are cut into 10 equal slices.
 Sophie eats $\frac{4}{10}$ of the pizza and Charlotte eats $\frac{3}{10}$ of the pizza.
 - a) What fraction of the pizza was eaten altogether?
 - b) What fraction of the pizza was left?

Worked example



whole pizza

Sophie = $\frac{4}{10}$ Charlotte = $\frac{3}{10}$ pizza left over?

* 1 whole pizza = $\frac{10}{10}$

* $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$ = fraction of pizza eaten altogether

* $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$ = fraction of pizza left over

Variation

- **What if...?**

2. Sophie's Pizzas are cut into 8 equal slices.
Sophie eats $\frac{3}{8}$ of the pizza and Charlotte eats $\frac{4}{8}$ of the pizza.

- a) What fraction of the pizza was eaten altogether?
- b) What fraction of the pizza was left?

Space for workings:

- **What if...?**

3. Sophie's Pizzas are cut into 12 equal slices.
There is $\frac{2}{12}$ of the pizza left over after Sophie and Charlotte have eaten the same fraction of the pizza.

- a) What fraction of the pizza did Sophie and Charlotte eat altogether?
- b) What fraction of the pizza did Charlotte eat?

Space for workings:

Answers:2a) $\frac{7}{8}$ b) $\frac{1}{8}$ 3a) $\frac{10}{12}$ b) $\frac{5}{12}$