

LO: to be able to find common denominators to compare and add fractions

I can remember to:

- **use a model to compare fractions**
- **multiply one of the denominators to find a common denominator**
- **multiply the numerator by the same amount**
- **use the $< > =$ symbols**
- **add the numerators**
- **use this method to solve worded problems**

Compare these fractions using $< > =$

$$\frac{1}{3} \quad \square \quad \frac{5}{12}$$

$$\frac{7}{20} \quad \square \quad \frac{2}{5}$$

$$\frac{7}{12} \quad \square \quad \frac{1}{2}$$

$$\frac{15}{20} \quad \square \quad \frac{3}{4}$$

Add the fractions (make sure that you find common denominators first)

$$\frac{11}{12} + \frac{1}{4} = \square$$

$$\frac{9}{10} + \frac{4}{5} = \square$$

$$\frac{2}{3} + \frac{5}{6} = \square$$

$$\frac{1}{12} + \frac{1}{3} = \square$$

$$\frac{3}{4} + \frac{3}{8} = \square$$

$$\frac{5}{6} + \frac{7}{12} = \square$$

Now find answers to these word problems. Use the remember tos to guide you.

Ava went out for her lockdown walk. She walked $\frac{2}{4}$ of a mile and then sat down to take a rest. Omar walked for $\frac{4}{6}$ of a mile before he got tired. Who walked the furthest? How far did they walk altogether?

Robbie made two types of biscuits. He used $\frac{2}{8}$ cup of sugar for one recipe and $\frac{3}{24}$ cup of sugar for the other. Which recipe used more sugar? How much sugar (in cups) did he use in all?

At a class party, $\frac{2}{5}$ of a vegetarian pizza and of a $\frac{3}{20}$ meat-feast pizza were eaten. Which pizza was the most popular? How much pizza was eaten altogether?

Extension:

Jamal and Alex shared a chocolate bar. Jamal ate $\frac{4}{16}$ and Tobias ate $\frac{3}{24}$. Who ate more? How much did they eat altogether?