LO: To subtract fractions.

Good morning, I hope you are all keeping well.

Subtracting fractions works the same way as adding them. You just need to make sure the denominators you start with are the same. Use your knowledge of common denominators and factors to help you ensure the denominators are equal.

Watch this video for a better explanation of how to subtract fractions.

(Watch the video several times to help you understand. Don't forget you can pause or play back bits you are unsure about.)

For further information read: https://www.mathsisfun.com/fractions_subtraction.html

Challenge 1:

Success Criteria: I can use images to help me subtract fractions with the same denominator.

Use the grids to help you solve these calculations.

1. $\frac{2}{5} - \frac{1}{5} =$ _____

2. $\frac{2}{3} - \frac{1}{3} =$ _____

3. $\frac{1}{3} - \frac{1}{3} =$ _____

4. $\frac{2}{4} - \frac{1}{4} =$ _____

5. $\frac{3}{5} - \frac{2}{5} =$ _____

6. $\frac{3}{5} - \frac{1}{5} =$ _____

7. $\frac{5}{6} - \frac{1}{6} =$ _____

8. $\frac{4}{6} - \frac{3}{6} =$ _____

9. $\frac{4}{7} - \frac{2}{7} =$ _____

10. $\frac{6}{7} - \frac{3}{7} =$ _____

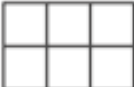**Challenge 2:** (Start here if you are confident subtracting fractions)

Success Criteria: I can use images to help me subtract fractions with different denominators.

Be careful as these have different denominators.

Example: $\frac{2}{3} - \frac{1}{6} = \frac{3}{6}$

1. $\frac{3}{5} - \frac{1}{5} =$

2. $\frac{1}{3} - \frac{1}{6} =$

3. $\frac{1}{4} - \frac{1}{8} =$

4. $\frac{3}{4} - \frac{3}{8} =$

5. $\frac{2}{5} - \frac{1}{10} =$

6. $\frac{3}{4} - \frac{1}{2} =$
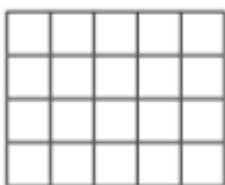
7. $\frac{5}{6} - \frac{1}{2} =$

8. $\frac{9}{10} - \frac{4}{5} =$

Challenge 3:

Success Criteria: I can show my knowledge of subtracting fractions.

I can investigate systematically. (In a way that follow a pattern)

Using what you have learned how many different subtraction calculations can you come up with that uses this grid?

Example answer:

$\frac{4}{10} - \frac{3}{20} = \frac{5}{20}$

(which can be simplified to $\frac{1}{4}$)