

REMINDER OF HOW TO ADD AND SUBTRACT FRACTIONS (GR 7)

Adding Fractions

- the fractions must have a common denominator.
- only add numerator

ex. $\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1$

Adding Fractions

How:

$$\frac{1 \times 2}{5 \times 2} + \frac{1}{10}$$

$$\frac{2}{10} + \frac{1}{10}$$

$$\frac{3}{10}$$

IF YOU'RE UNSURE HOW TO GET A COMMON DENOMINATOR THE BUTTERFLY METHOD WORKS EVERY TIME

$$\frac{3}{4} + \frac{2}{5}$$

A butterfly-shaped diagram illustrating the addition of $\frac{3}{4} + \frac{2}{5}$. The top-left wing contains the number 15, the top-right wing contains 8, the bottom-left wing contains 20, and the bottom-right wing contains 20. The original fractions $\frac{3}{4}$ and $\frac{2}{5}$ are written in the center, with a plus sign between them. Red lines connect the numbers in the wings to form the butterfly shape.

$$= \frac{15+8}{20} = \frac{23}{20}$$

A butterfly-shaped diagram illustrating the subtraction of $\frac{6}{5} - \frac{3}{7}$. The top-left wing contains the number 35, the top-right wing contains 18, the bottom-left wing contains 42, and the bottom-right wing contains 42. The original fractions $\frac{6}{5}$ and $\frac{3}{7}$ are written in the center, with a minus sign between them. Red lines connect the numbers in the wings to form the butterfly shape.

$$\frac{35-18}{42} = \frac{17}{42}$$

$$2\frac{1}{2} + 3\frac{2}{5}$$

change both into
improper and add
as normal.

$$\frac{5}{2} + \frac{17}{5}$$

$$= \frac{25}{10} + \frac{34}{10} = \frac{59}{10} = 5\frac{9}{10}$$

Subtract Fractions

- the same as adding but you subtract.

ex.

$$\frac{5}{2} - \frac{1}{4}$$

$$\frac{8-5}{20}$$

$$= \frac{3}{20}$$