

## Answer on Question #48824 – Math – Algebra

How to solve:

$$1/2+(-5/6)=$$

**Solution.**

A plus before a minus gives a minus as a consequence. So, we have to take  $\frac{5}{6}$  from  $\frac{1}{2}$ :

$$\frac{1}{2} + \left(-\frac{5}{6}\right) = \frac{1}{2} - \frac{5}{6}.$$

For this, we'll transform the fractions to the form with the same denominators. The least multiple of both numbers (2 and 6) is 6. Let rewrite the first fraction ( $\frac{1}{2}$ ) as equivalent fraction (with least common denominator 6):

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

Now, we can perform the subtraction.

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

**Answer:**  $-\frac{1}{3}$ .