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Algorithm :-

1) Start

2) Read the value of numerator / denominator / numerator 2 / denominator 2.

3) $x = (\text{numerator 1} * \text{denominator 2}) + (\text{denominator 1} * \text{numerator 2})$

4) $y = (\text{denominator 1} * \text{denominator 2})$

5) for $(c=1; c \leq x \ \&\& \ c \leq y; c++)$, if this condition becomes false goto step 7.

S.1) if $(x \% c == 0 \ \&\& \ y \% c == 0)$, if this condition becomes false goto step 5.

S.1.1) $\text{gcd} - \text{no} = c$.

6) Repeat the steps until the condition becomes false.

7) Print "The added fraction" and display the two value of the condition x/gcd , y/gcd .

8) Stop.

⇒ Flowchart.

