

Algorithm

Step 1: Start

Step 2: Read value for x_1, y_1, x_2, y_2

Step 3: $x_3 = (x_1 \times x_2) + (x_2 \times y_1)$

Step 4: $y_3 = (y_1 \times y_2)$

Step 5: If $(x_3 > y_3)$ // If $(x_3 > y_3)$ becomes false goto
Step 5.1

$div = y_3$

Step 5.1: else

$div = x_3$

Step 6: for $(i = div, i > 0; i--)$ // If this condition becomes
false goto step 7.
{

Step 6.1: If $(x_3 \% i == 0 \text{ \& \& } y_3 \% i == 0)$
{

$x_3 = x_3 / i;$

$y_3 = y_3 / i;$

}

}

Step 7: Print "Sum of given 2 fractions is"

Step 8: Stop.

Flowchart: