

- Addition of two fractions.
- Algorithm.

Step 1: Start.

Step 2: Read n_1, n_2, d_1, d_2

Step 3: Initialize

$$\text{num} \leftarrow (d_1 * n_2) + (n_1 * d_2)$$

$$\text{den} \leftarrow (d_1 * d_2)$$

Step 4: Repeat step 4 for $i = 1$ to

$$i \leq \text{num} \ \&\& \ i \leq \text{den}$$

$$\text{if } (\text{num} \% i == 0 \ \&\& \ \text{den} \% i == 0)$$

$$\text{gcd} \leftarrow i$$

Step 5: Print $(\text{num}/\text{gcd})/(\text{den}/\text{gcd})$

Step 6: Stop.

- Flowchart.

