Fraction Flowchart

What kind of problem is it?

Addition +

Is there a common denominator? \( \frac{N}{D} \)

Yes

Add numerators \( \frac{N}{D} \)

Keep the same denominator \( \frac{N}{D} \)

Reduce if you can

No

Find common denominator \( \frac{N}{D} \)

Don’t forget to change your numerator too

Keep the same denominator \( \frac{N}{D} \)

Reduce if you can

Subtraction -

Is there a common denominator?

Yes

Do you need to borrow? Is the numerator of your first fraction less than the numerator of the second?

Yes

Do you need to borrow? Is the numerator of your first fraction less than the numerator of the second?

Yes

Find the common denominator

Subtract numerators \( \frac{N}{D} \)

Subtract numerators \( \frac{N}{D} \)

Keep the same denominator \( \frac{N}{D} \)

Reduce if you can

No

Borrow

Borrow

Subtract numerators \( \frac{N}{D} \)

Keep the same denominator \( \frac{N}{D} \)

Reduce if you can

No

Reduce numerators \( \frac{N}{D} \)

Keep the same denominator \( \frac{N}{D} \)

Reduce if you can