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Step 1: Start

Step 2: I/P n & d_1

Step 3: I/P n & d_2

Step 4: $n_3 = (n \times d_2) + (n \times d_1)$

Step 5: $d_3 = d_1 \times d_2$

Step 6:- Repeat for $(i=1; i \leq n_3 \text{ and } i \leq d_3; i++)$
if $(n_3 \% i == 0 \text{ and } d_3 \% i == 0)$

gcd = i

end if

end if

end for

Step 7:- O/P as n_3/gcd , d_3/gcd ;

Step 8:- Stop

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Flow chart

