

# FRACTIONS

ADD

< LIST→ DROP → p1 q1

< LIST→ DROP → p2

q2

< p1 q2 \* p2 q1

\* + q1 q2 \* 2 →LIST

RDUCE

>

>

>

SUBT

< LIST→ DROP

NEG 2 →LIST ADD

>

MULT

< LIST→ DROP → p1 q1

< LIST→ DROP → p2

q2

< p1 p2 \* q1 q2

\* 2 →LIST RDUCE

>

>

>

DIV

< LIST→ DROP SWAP 2

→LIST MULT

>

GCD

<

WHILE DUP

REPEAT SWAP OVER

MOD

END DROP

>

LCM

< DUP2 GCD / \*

>

RDUCE

< LIST→ DROP DUP2

GCD DUP 3 ROLLD / 3

ROLLD / SWAP 2 →LIST

>

Enter all fractions as a list.

Ex:  $\frac{2}{3} \times \frac{4}{5}$

{ 2 3 }

{ 4 5 }

MULT