

Fraction Visuals and Divisibility Proofs

Native Typst math handles ordinary fractions; these proofs cover the visual teaching models missing from the screenshot coverage map.

Calculator fraction key

inline

labelled

large

Enter $\frac{12}{62}$ using the fraction

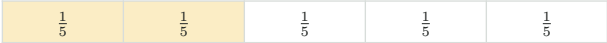
button 

fraction button 



Fraction strips

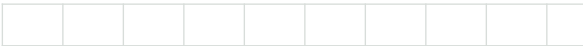
single strip, fifths



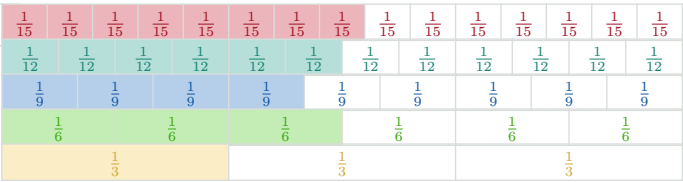
single strip, twelfths



blank student strip



equivalent fraction stack



fraction multiply table

	× 2	× 3	× 4	× 5
$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{4}{8}$	$\frac{5}{10}$
$\frac{1}{4}$				
$\frac{1}{3}$				
$\frac{1}{5}$				
$\frac{1}{10}$				
$\frac{3}{4}$				

Fraction pies

halves



fifths



eighths



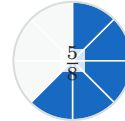
compact set



large no label



large labelled



Divisibility

standard rule table

A number will divide by:	Example
2 If it is an even number.	Try 317. The last digit, 7, is not even. 317 will not divide by 2.
3 If the sum of its digits can be divided by 3.	Try 411. $4 + 1 + 1 = 6$. 6 can be divided by 3. 411 can be divided by 3.
4 If the last 2 digits can be divided by 4.	Try 316. The number from the last 2 digits, 16, can be divided by 4.
5 If the last digit is 0 or 5.	Try 345. The last digit is 5. 345 can be divided by 5.
6 If it can be divided by 2 and 3.	Try 342. It is even and $3 + 4 + 2 = 9$. 342 can be divided by 6.
9 If the sum of its digits can be divided by 9.	Try 522. $5 + 2 + 2 = 9$. 522 can be divided by 9.
10 If the last digit is 0.	Try 780. The last digit is 0. 780 can be divided by 10.

compact rule table

A number will divide by:	Example
2 If it is an even number.	Try 317. The last digit, 7, is not even. 317 will not divide by 2.
3 If the sum of its digits can be divided by 3.	Try 411. $4 + 1 + 1 = 6$. 6 can be divided by 3. 411 can be divided by 3.
4 If the last 2 digits can be divided by 4.	Try 316. The number from the last 2 digits, 16, can be divided by 4.
5 If the last digit is 0 or 5.	Try 345. The last digit is 5. 345 can be divided by 5.
6 If it can be divided by 2 and 3.	Try 342. It is even and $3 + 4 + 2 = 9$. 342 can be divided by 6.
9 If the sum of its digits can be divided by 9.	Try 522. $5 + 2 + 2 = 9$. 522 can be divided by 9.
10 If the last digit is 0.	Try 780. The last digit is 0. 780 can be divided by 10.