Free, printable fractions posters

Teach Grow Sow

Nest

Numerator

Der

Down

Mixed Number → Improper Fraction

$5\frac{1}{3}$ → SECOND → THIRD → $\frac{16}{3}$ → FOURTH → $\frac{16}{3}$

Improper Fraction → Mixed Number

$\frac{16}{3}$ → $3\overline{)16}$ $5\frac{1}{3}$ -15 1

Simplest Form = Smallest Fraction

Find the biggest number that both the top and bottom can be divided by:

10 & 12 can both be divided by 2.

4 & 8 can both be divided by 4.

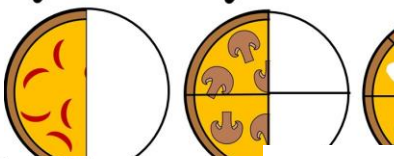
$\frac{10}{12} \div 2 = \frac{5}{6}$

$\frac{4}{8} \div 4 = \frac{1}{2}$

Equivalent Fractions

Equal the same amount of pizza

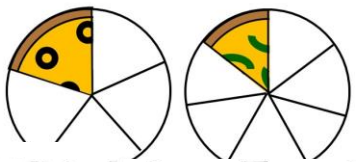
$\frac{1}{2}$ $\frac{2}{4}$ $\frac{4}{8}$



Unit Fractions

Just one slice of pizza!

$\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{7}$



Like Fractions

Come from the same pizza

$\frac{5}{7}$ $\frac{4}{7}$ $\frac{5}{6}$ $\frac{4}{6}$

To Make Like Fractions

Find the smallest multiple shared by all denominators.

3, 4 and 2 all go into 12.

$\frac{2}{3} \times 4 = \frac{8}{12}$

$\frac{3}{4} \times 3 = \frac{9}{12}$

$\frac{1}{2} \times$

Adding & Subtr

Only add & subtract like

The bottom stays the

$\frac{5}{7} + \frac{4}{7} = \frac{9}{7}$

$\frac{9}{7} = 1\frac{2}{7}$

Multiplying Fractions

Multiply the tops & the bottoms.

$\frac{3}{4} \times \frac{4}{5} = \frac{12}{20}$

$\frac{5}{7} \times \frac{3}{8} = \frac{15}{56}$

Dividing Fractions

Flip the divisor upside down & multiply!

$\frac{4}{5} \div \frac{3}{8}$ →

$\frac{4}{5} \times \frac{8}{3} = \frac{32}{15}$ or $2\frac{2}{15}$

Nest

Numerator

Denominator

Down

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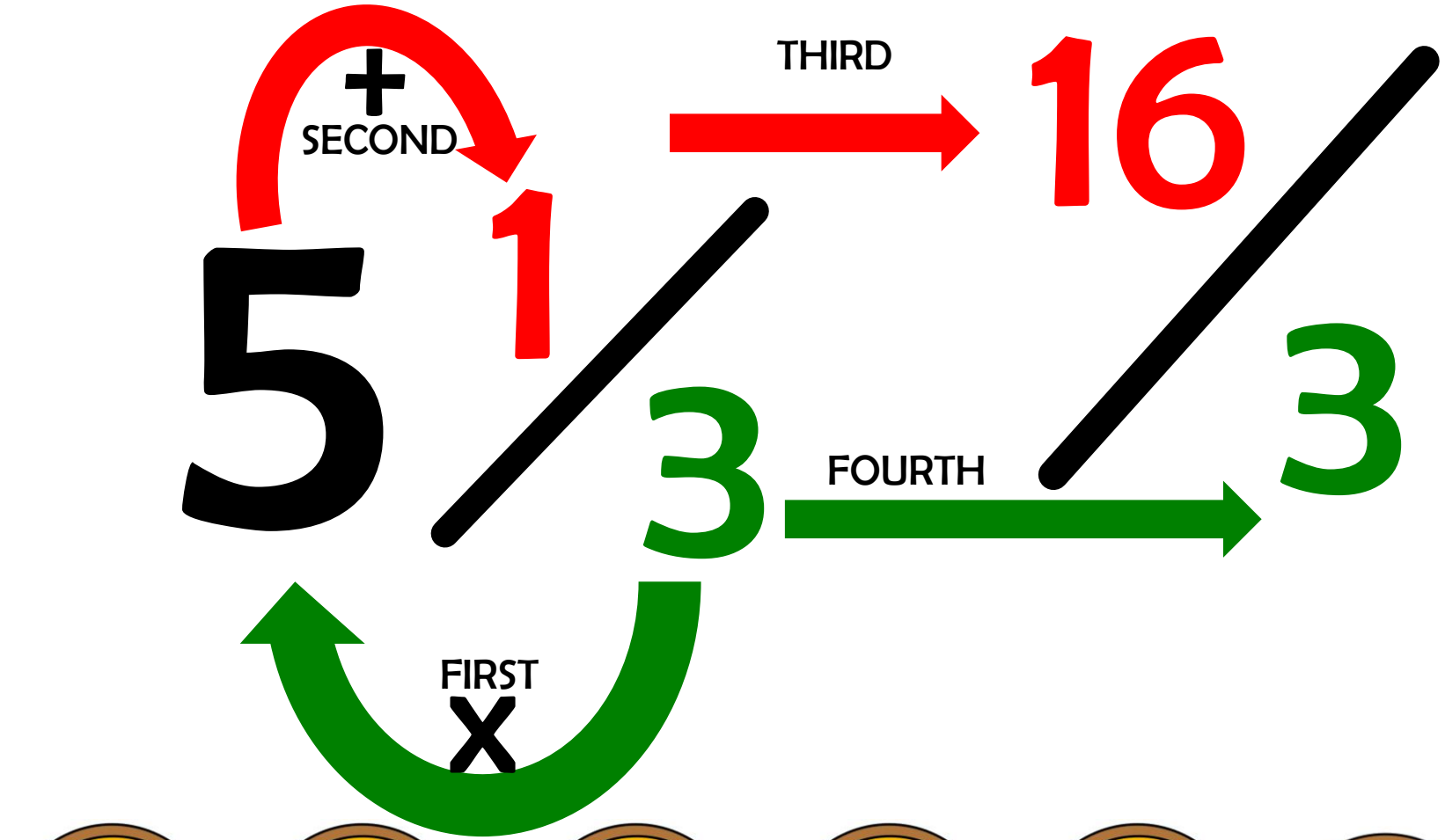
Mixed Number → Improper Fraction

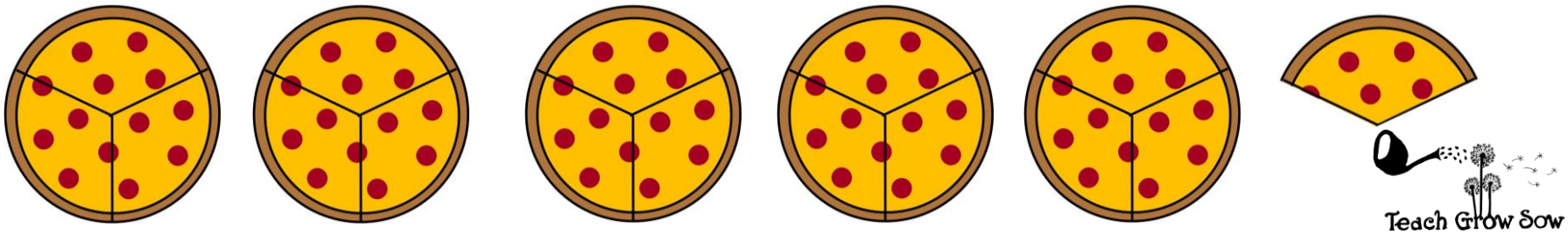


Improper Fraction → Mixed Number

$\frac{16}{3}$

$3\overline{)16}$ → 5 R 1 → $5\frac{1}{3}$

$16 - 15 = 1$



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10 & 12 can both be divided by 2.

$$\frac{10}{12} \div 2 = \frac{5}{6}$$

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4 & 8 can both be divided by 4.

$$\frac{4}{8} \div 4 = \frac{1}{2}$$

$$\frac{4}{8} \div 4 = \frac{1}{2}$$

To find the Simplest Form, find each number's Greatest Common Factor

(The biggest number that can evenly divide into both of them.)

6 is the largest number that can evenly divide both 18 & 24

$$\frac{18}{24} \div 6 = \frac{3}{4}$$

Equivalent Fractions

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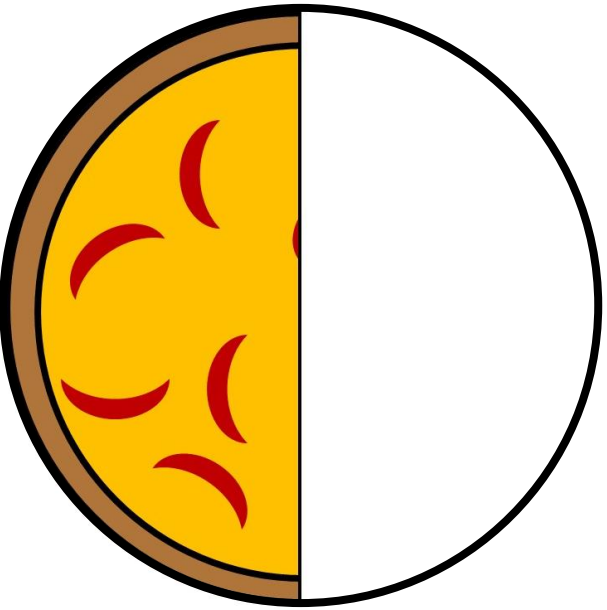
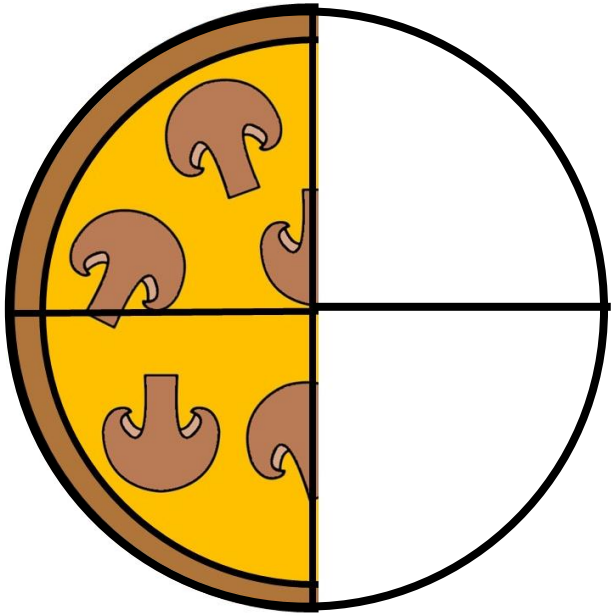
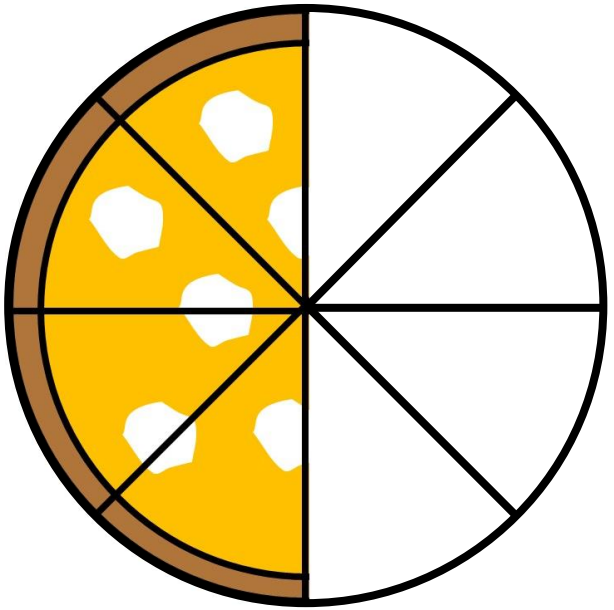
Equal the same amount of pizza!

$\frac{1}{2}$ $\frac{2}{4}$ $\frac{4}{8}$



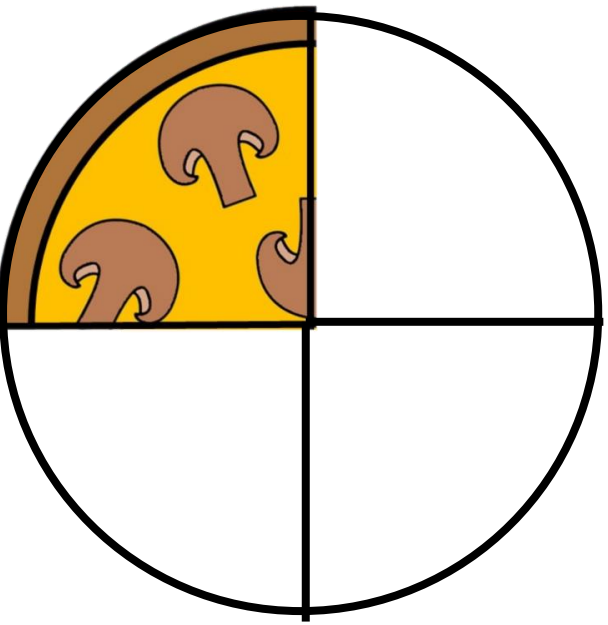


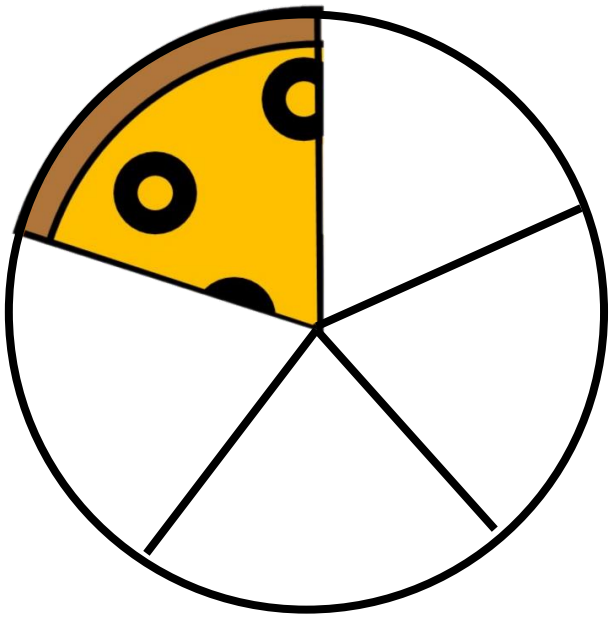


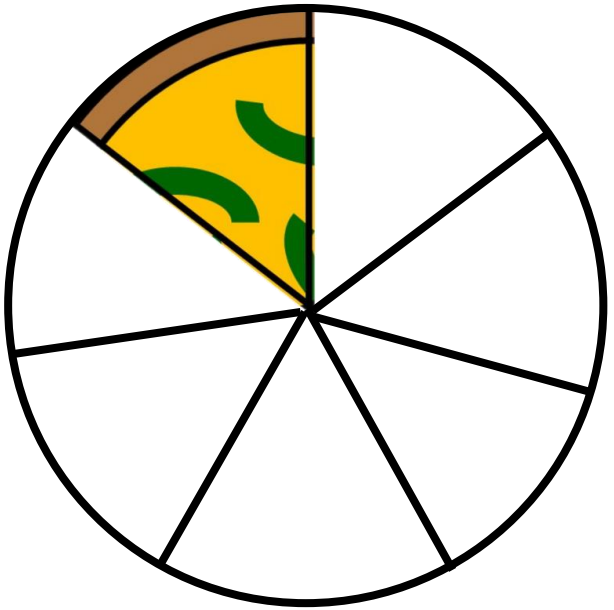
Unit Fractions

Just one slice of pizza!

$\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{7}$







Like Fractions

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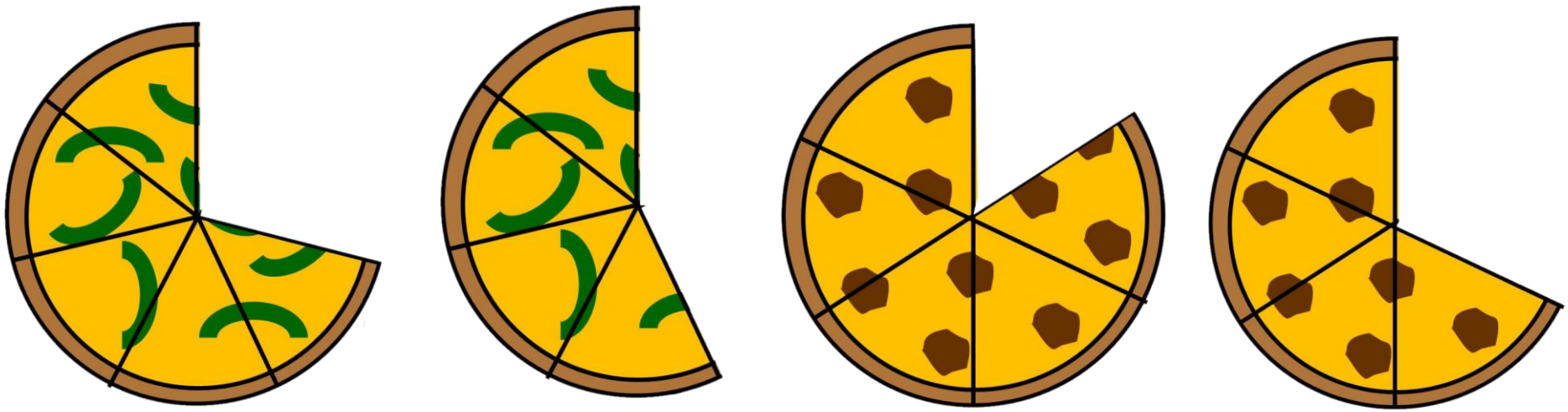
Come from the same pizza!

$\frac{5}{7}$ $\frac{4}{7}$ $\frac{5}{6}$ $\frac{4}{6}$



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$$\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$$

$$\frac{1}{2} \times \frac{6}{6} = \frac{6}{12}$$

Adding & Subtracting

Only add & subtract like fractions.

The bottom stays the same!

$\frac{5}{7} + \frac{4}{7} = \frac{9}{7}$ or $1\frac{2}{7}$

$\frac{5}{7} - \frac{4}{7} = \frac{1}{7}$

Multiplying Fractions

Multiply the tops & the bottoms.

$$\frac{3}{4} \times \frac{4}{5} = \frac{12}{20}$$

$$\frac{5}{7} \times \frac{3}{8} = \frac{15}{56}$$

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