

5.NF.1

Adding and Subtracting Fractions

I can add and subtract fractions with unlike denominators.

BOOM!

BOOM!

POW!

1



cross multiply

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$

Boom

2



cross multiply

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$

Boom

3



multiply the denominators

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$

Pow

$$\begin{aligned} \frac{3}{7} + \frac{2}{5} &= \frac{15 + 14}{35} \\ &= \frac{29}{35} \end{aligned}$$

UNLIKE DENOMINATORS

denominators that are not equal

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$

LIKE DENOMINATORS

denominators in two or more fractions that are the same

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$