

Modeling the addition and subtraction
of fractions using NUMBER LINES

Connect

Add

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

I do

Pizzas are usually cut into 8ths. Let's say that I have $\frac{3}{8}$ of a pizza leftover, and Ms Richter has $\frac{2}{8}$ of one, and we decide to combine ours. How much pizza do we have?

on Sunday, I took home $\frac{6}{8}$ of a leftover pizza. For dinner on Monday, I ate $\frac{2}{8}$ (2 pieces) of the original pizza. How much was left after dinner?

We do

Brownies are usually cut into 12/th. Lets say Ms Griffith has $\frac{9}{12}$ of a pan of regular brownies, and $\frac{2}{12}$ of a pan of white chocolate brownies. Model the total fraction of a pan of brownies she has

Tracy had $\frac{11}{12}$ of a pan of brownies left after she ate one. She brought one to each of her 5 best friends at lunch the next day. What fraction of the brownies was left.

You do together on whiteboard

Ryan runs $\frac{2}{5}$ of a mile, then takes a break, then runs another $\frac{2}{5}$ of a mile. Model How far does he run all together? Show USING A NUMBER LINE.

Emily had $\frac{9}{10}$ of her AR book left to read. After school, she read $\frac{3}{10}$ of the book. How much of her book does she still have left to read? SHOW USING A NUMBER LINE

You do alone on index card

Joey lives $\frac{5}{6}$ of a mile from the pool, and starts to walk home. He decides to take a break after walking $\frac{3}{6}$ of a mile. What fraction of a mile does he still have to walk? SHOW USING A NUMBER LINE.