

WALT: Add fractions



I can explain how to add fractions with the same denominator using the key language



I can add fractions with the same denominator



With support, I can add fractions with the same denominator

$$\frac{1}{2} + \frac{2}{2} = \frac{1 \times 3}{2}$$

$$\frac{2}{7} + \frac{3}{7} + \frac{1}{7} = \frac{6}{20}$$

$$\frac{7}{10} + \frac{3}{10} = \frac{9}{10}$$

Choose from these words to complete the sentence:

Numerators, denominators, numbers, fractions

Add the fractions. Keep the numbers the same.

↑ All the fractions?

Solve this problem:

Eva eats $\frac{5}{12}$ of a pizza and Annie eats $\frac{1}{12}$ of a pizza.

What fraction of the pizza do they eat altogether?

You do

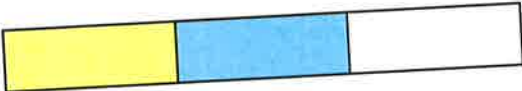
$$\frac{2}{7} + \frac{4}{7} = \frac{6}{7}$$

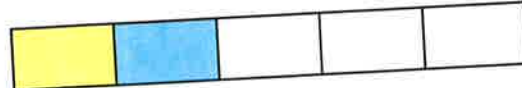



Add the NUMERATOR ✓

Keep the denominator ✓
the same

1 Complete the additions.
Use the bar models to help you.

a)  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ ✓

b)  $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$ ✓

c)  $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$ ✓

d)  $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ ✓

Only add the NUMERATOR ✓



I knew I only had to add
the NUMERATOR

c)



$$\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$$

d)



$$\frac{5}{8} + \frac{3}{8} = \frac{8}{8}$$



Question d) makes a whole because the numerator and denominator are the same.

Different Ways

Answer each question in two ways:

$$\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

$$\frac{\overset{4}{\cancel{4}}}{8} + \frac{\overset{4}{\cancel{4}}}{8} = 1$$

$$\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$$

$$\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$$

$$\frac{3\overset{2}{\cancel{2}}}{5} + \frac{2\overset{2}{\cancel{2}}}{5} = 1$$

$$\frac{3}{10} + \frac{2}{10} = \frac{1}{2}$$

Extend: make your own adding fractions question that can be answered in at least two ways.

I added the denominator same.
Kept

You do

$$\frac{2}{7} + \frac{4}{7} = \frac{6}{7}$$





Add the NUMERATOR ✓


Keep the denominator ✓
the same

1 Complete the additions.

Use the bar models to help you.

a)  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ ✓

b)  $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$ ✓

c)  $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$ ✓

d)  $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ ✓

Only add the NUMERATOR ✓



I knew I only had to add
the numerator