

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

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

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

$$\frac{7}{10} + \frac{2}{10} = \frac{9}{10}$$

Choose from these words to complete the sentence:

Numerators, denominators, numbers, fractions

Add the Numerators. Keep the denominators the same.

Great!

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?

$$\frac{5}{12} + \frac{1}{12} = \frac{6}{12}$$

they had half

Brilliant

6 Annie has baked 12 muffins.



She puts them into 2 boxes.

What fraction of the muffins could she put in each box?

Complete the table to show different possibilities.

One has been done for you.

Box 1	Box 2
$\frac{1}{12}$	$\frac{11}{12}$
$\frac{0}{12}$ ✓	$\frac{6}{12}$ ✓ ✓
$\frac{7}{12}$ ✓	$\frac{5}{12}$ ✓ ✓
$\frac{10}{12}$ ✓	$\frac{2}{12}$ ✓ ✓
$\frac{3}{12}$ ✓	$\frac{9}{12}$ ✓ ✓
$\frac{4}{12}$ ✓	$\frac{8}{12}$ ✓ ✓

Have answer go →
Both boxes must add up to equal 6

Great!

Good answer! You could do $\frac{0}{12} + \frac{12}{12}$

Are there any other possibilities? Talk about it with a partner.

No ~~too many more~~ only up to half of 12 diff
at higher would loop

7 Complete the additions.

a) $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$ ✓ ✓

d) $\frac{3}{103} + \frac{4}{103} = \frac{7}{103}$ ✓ ✓

b) $\frac{3}{9} + \frac{4}{9} = \frac{7}{9}$ ✓ ✓

e) $\frac{5}{31} + \frac{9}{31} = \frac{14}{31}$ ✓ ✓

c) $\frac{3}{29} + \frac{4}{29} = \frac{7}{29}$ ✓ ✓

f) $\frac{17}{111} + \frac{33}{111} = \frac{50}{111}$ ✓ ✓

Great!

Different Ways

Answer each question in two ways:

Brilliant!

$\frac{1}{8} + \frac{6}{8} = \frac{7}{8}$ ✓

$\frac{1}{2} + \frac{1}{2} = 1$ ✓

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

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

$\frac{2}{4} + \frac{2}{4} = 1$ ✓

$\frac{0}{2} + \frac{1}{2} = \frac{1}{2}$ ✓

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

Have a go at this.