


Can I add two or more fractions? (Y4)

Reasoning and problem solving

This page does not need to be printed. In your book, write the short date you do the work as well as the above question, underlining them neatly with a ruler.

- 1) Alex is adding fractions.

$$\frac{3}{9} + \frac{2}{9} = \frac{5}{18}$$


Is she correct? Explain why.

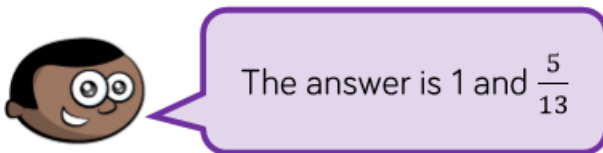
- 2) How many different ways can you find to solve the calculation?

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{11}{9}$$

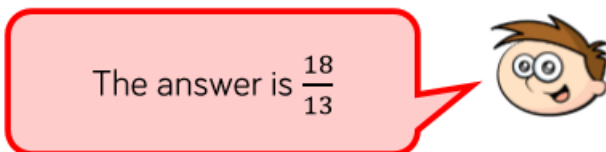
- 3) Mo and Teddy are solving:

$$\frac{6}{13} + \frac{5}{13} + \frac{7}{13}$$

Mo



Teddy



Who do you agree with?
Explain why.

Add 2 or More Fractions

Reasoning and Problem Solving

Alex is adding fractions.

$$\frac{3}{9} + \frac{2}{9} = \frac{5}{18}$$



Alex is incorrect. Alex has added the denominators as well as the numerators.

Is she correct? Explain why.

How many different ways can you find to solve the calculation?

Any combination of ninths where the numerators total 11.

$$\frac{\square}{9} + \frac{\square}{9} = \frac{11}{9}$$

Mo and Teddy are solving:

$$\frac{6}{13} + \frac{5}{13} + \frac{7}{13}$$

Mo



The answer is 1 and $\frac{5}{13}$

Teddy

The answer is $\frac{18}{13}$



They are both correct.

Mo has added $\frac{6}{13} + \frac{7}{13}$ to make 1 whole and then added $\frac{5}{13}$

Who do you agree with? Explain why.