

LF: + and - non-unit fractions

Try it

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

2.  $? = \frac{7}{10} - \frac{3}{10}$


3.  $\frac{5}{12} + \frac{3}{12} + \frac{2}{12} = ?$

4.  $\frac{9}{12} - \frac{2}{12} - \frac{4}{12} = ?$

Use it

1. Sam has  $\frac{3}{9}$  of a cake and Beth has  $\frac{4}{9}$  of a chocolate cake. How much cake do they have altogether?



2. A group of penguins have  $\frac{12}{16}$  left of fish in their bucket. They eat  $\frac{4}{16}$ . How much fish is left?



3.  Tilly adds another 3 pieces to her board. What fraction of her board is filled in?

4. In Term 1, Abi has  $\frac{4}{15}$  of her sticker chart, Tommy has  $\frac{5}{15}$  of his sticker chart and Daisy has  $\frac{3}{15}$ . How much of their sticker charts are completed in total?

5. A man is delivering pizza. He has 1 whole ( $\frac{9}{9}$ ) at the start. He drops  $\frac{3}{9}$  on the floor, delivers  $\frac{4}{9}$  and gets hungry so eats  $\frac{2}{9}$ . How much is left of the pizza?

6. Farmer Bill plants some crops on his field. He plants  $\frac{1}{12}$  with carrots,  $\frac{4}{12}$  with potatoes and  $\frac{3}{12}$  with parsnips. What fraction of his field does NOT have crops planted on it?

5.  +  =

6.  -  =

*Prove it*

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

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

3.

The answer is  $\frac{5}{10}$ , what is the question?  
(involving fractions / operations)

2.

Nicola and Nisha are solving:

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

Nicola says,



The answer is  $\frac{6}{7}$

Nisha says,



The answer is  $\frac{6}{14}$

Who do you agree with?  
Explain why.

*Challenge: This will help you with next week's maths.*

Lennox and Brandon are solving:

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

Lennox



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

Brandon

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



Who do you agree with? Explain why.

They are both correct. Lennox has added  $\frac{6}{13} + \frac{7}{13}$  to make a whole and then added  $\frac{5}{13}$