

Wednesday 13th May

L.K: To subtract fractions with the same denominator

When we subtract fractions, we need to ensure that the denominators are the same. If they are, we can subtract without changing any parts to make them similar.

Remember, we only subtract the top numbers. If we were to subtract the bottom numbers our answer would be wrong!

$$1) \frac{3}{4} + \frac{1}{4} =$$

$$2) \frac{7}{8} + \frac{3}{8} =$$

$$3) \frac{11}{8} + \frac{2}{8} =$$

$$4) \frac{4}{15} + \frac{3}{15} =$$

$$5) \frac{7}{9} + \frac{7}{9} =$$

Reasoning and Problem Solving

One Star

- 1) I split my hamster food into five equal amounts. I give $\frac{1}{5}$ of the bag to my hamster every day. What fraction of the bag would be left after 4 days?
- 2) "When we subtract fractions, our denominator must be different". Do you agree? Give an example.
- 3) How many times can I take away $\frac{1}{3}$ before there is nothing left?

Two Star

- 1) George cuts an apple into 12 equal pieces. He gives away five of his slices of apple. How many slices does he have left? Can you show this question using fractions?
- 2) Why is it important that we change the denominators if they are different?
- 3) A box of chocolates has 48 individual pieces of chocolate. I received this box for my birthday and left it in the cupboard. I came back today and 36 pieces of chocolate were left! What fraction of the box was missing?

Three Star

- 1) A football has 36 equally sized hexagonal panels. There are 12 white panels. How many panels are black? Show your answers using fractions!
- 2) I peel an orange and find that there are 13 equal segments. I give away $\frac{2}{26}$ of my orange. How much orange do I have left as a fraction?
- 3) "When we subtract fractions, it isn't very different from using whole numbers as we do not need to change the denominators." Is this always correct? Give an example.