Fast 5

1/₃ + ½
5/₈ - 1/₄

10% of 154

965 x 88 365984 - 48745

Fast 5

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

$$\frac{5}{8} - \frac{1}{4} = \frac{3}{8}$$

10% of 154 = 15.4

$$965 \times 88 = 84920$$

365984 - 48745 = 317239

Can I add and subtract mixed numbers with different denominators?

 $1\frac{1}{5} + 2\frac{6}{10}$

Adding mixed numbers where the fractions have different denominators is not too different from just adding fractions with different denominators.

$$1\frac{1}{5} + 2\frac{6}{10}$$

$$1\frac{2}{10} + 2\frac{6}{10}$$

We convert our fractions with different denominators to have the same denominators by finding their common multiples. With 5 and 10, the lowest common multiple is 10

$$1\frac{1}{5} + 2\frac{6}{10}$$

$$\frac{6}{10} = 3 \frac{8}{10}$$

Finally, we just add our whole numbers up, followed by adding our fractions together to find the answer.

Try this

$$3\frac{2}{4} + 4\frac{3}{8}$$

$$3\frac{2}{4} + 4\frac{3}{8}$$

$$\frac{3}{8} + 4 = \frac{8}{8}$$

$$3 = \frac{7}{8} = \frac{7}{8}$$

 $8\frac{5}{7} - 2\frac{3}{14}$

Similarly with subtraction, the method of finding the common multiple for the denominator works the same way.

$$8\frac{5}{7} - 2\frac{3}{14}$$

We convert our fractions to ensure that they have common multiples as denominators and now we can subtract.

$$8\frac{5}{7} - 2\frac{3}{14}$$

$$8\frac{10}{14} - 2\frac{3}{14} = 6\frac{7}{14}$$

Now that we've got everything in place, we can finish our calculation.