Term 3 Week 4 Maths Homework
Due: Wednesday 5th February 2025

Adding and Subtracting Fractions

1) Find common denominators to work out these calculations.

a) $\frac{1}{3} + \frac{7}{12} = \frac{\square}{\square}$

b) $\frac{6}{15} + \frac{1}{5} = \frac{\square}{\square}$

c) $\frac{3}{7} + \frac{10}{21} = \frac{\square}{\square}$

d) $\frac{2}{3} - \frac{4}{15} = \frac{\square}{\square}$

e) $\frac{7}{9} - \frac{5}{27} = \frac{\square}{\square}$

f) $\frac{3}{4} - \frac{11}{16} = \frac{\square}{\square}$

2.

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

$\frac{7}{8} + \frac{4}{5} =$

$\frac{9}{10} + \frac{1}{4} =$

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

$\frac{5}{6} - \frac{1}{2} =$

$\frac{4}{9} - \frac{3}{8} =$

3) Alexa starts the week with a whole chocolate bar. On Monday she eats $\frac{3}{18}$ of the bar. On Wednesday she eats $\frac{1}{3}$ of the chocolate bar. On Friday she eats $\frac{2}{6}$ of the chocolate bar.

How much does she have left for the weekend?

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Challenge

$$\frac{6}{8} + \frac{3}{5} + \frac{7}{20} = \frac{28}{40}$$

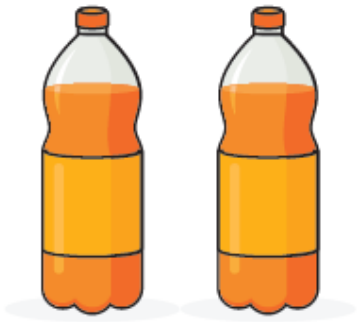
True or false? Prove it.

There are two bottles of juice open.

One contains $\frac{2}{3}$ of a litre and the other contains $\frac{1}{4}$ of a litre.

a) How much juice is there altogether?

b) How much juice would need to be poured from one bottle to the other so that they both contain the same amount of juice?



Anna has added 3 fractions together and made a total of $\frac{9}{16}$.

What three fractions with different denominators could she have added together?

Can you find more than answer?