Name: _____ **Year:** ____ **Date:**_____

Task 1

Mark bought a chocolate bar. He gave $\frac{1}{3}$ of it to his neighbour and $\frac{1}{5}$ to his sister. What fraction of the chocolate bar did Mark give away and what fraction does he have left for himself?

Answer: He gave away _____ of the chocolate bar.

Answer: He was left with ____ of the chocolate bar.

Task 2

Geoff drunk one quarter of a bottle of apple juice in the morning and two fifths in the evening. In total, had he drunk more than half of the bottle? Why?

Task 3

Diane added together $\frac{1}{2}$ and another fraction and the result was $\frac{9}{10}$. However, she forgot the fraction she used.
Considering that she did all the maths correctly, find out which fraction she used.

Task 4

Graham thinks that if you add the same number to the numerator and denominator of a fraction, you get a new fraction that is equal to the first one. For example, if you add 2 to the numerator and denominator of $\frac{1}{3}$ you get $\frac{3}{5}$ and he thinks these two fractions are equal.

a) Is he right? Why?

b) Show one fraction that is actually equal to $\frac{1}{3}$.

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Task 5

This weekend, Peter's his family bought two pizzas with the same size. The first is divided into 8 equal slices and the second into 6 equal slices.

a) When dividing the pizzas, Peter got 2 slices from the first and 2 from the second. What fraction of a pizza did Peter get?

b) Peter usually eats half a pizza by himself. Has he got more or less than half a pizza this time?

Task 6

Select from the list below two fractions that add up to $\frac{11}{12}$ and justify your choice.

$\frac{1}{2}$ $\frac{1}{5}$ $\frac{3}{10}$ $\frac{2}{9}$ $\frac{1}{4}$ $\frac{2}{3}$ $\frac{5}{8}$ $\frac{7}{6}$

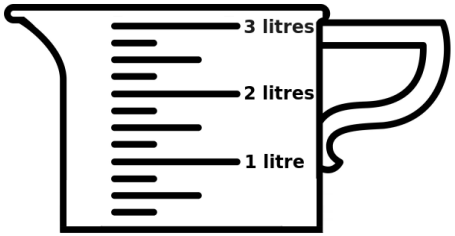
Task 7

Work out $\frac{1}{2}+\frac{1}{3}+\frac{1}{6}$. Use diagrams if you need.

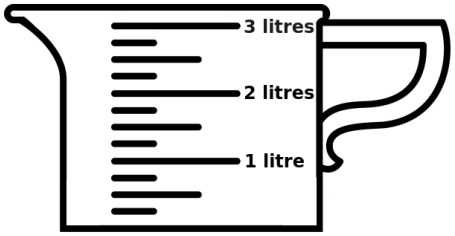
Task 8

Use the images on the right to answer each question.

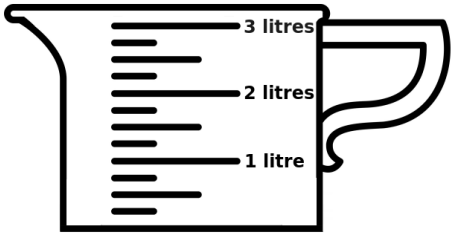
a) Show $\frac{7}{12}$ of the measuring cup.



b) Show $\frac{3}{4}$ of 1 litre.



c) Show $\frac{1}{3}$ of the measuring cup.



d) Show $\frac{1}{4}$ of the measuring cup.