## Mon 29th June / Thurs 2 ${ }^{\text {nd }}$ July 2020

Maths Y5 week commencing (home tasks)
Fractions Unit 3 - Like and unlike fractions
LO: To add unlike fractions

## Let's Learn! <br>  <br> Subtracting unlike fractions

(1) Bottle A contained $\frac{3}{4} \ell$ of milk. Tai poured $\frac{1}{6} \ell$ of it into Bottle B. How much milk was left in Bottle A?

$$
\frac{3}{4}-\frac{1}{6}=\text { ? }
$$

List the multiples of the denominators, 4 and 6 .

Subrract $\frac{1}{6} \ell$ from $\frac{3}{4} \ell$ of milk.
To subtroct convert $\frac{1}{6}$ and $\frac{3}{4}$ to like fractions first.
Multiples of 4: $4,8,12,16, \ldots$
Multiples of 6; 6 , 12) 18 , $24, \ldots$
12 is the lowest common multiple of 4 and 6 .

$\frac{7}{12} \ell$ of milk was left in Bottle $A$.

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## Fractions Unit 3 - Like and unlike fractions

LO: To subtract unlike fractions
(2) Subtract $\frac{1}{5}$ from $\frac{2}{3}$.

$$
\begin{aligned}
\frac{2}{3}-\frac{1}{5} & =\frac{\square}{15}-\frac{\square}{15} \\
& =\frac{\square}{15}
\end{aligned}
$$



Common multiples:
5: $5 \quad 10 \quad 15$
3: $3 \quad 6 \quad 9 \quad 12 \quad 15$


$$
\begin{aligned}
\frac{2}{3}-\frac{1}{5} & =\frac{10}{15}-\frac{3}{15} \\
& =\frac{7}{15}
\end{aligned}
$$

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## Fractions Unit 3 - Like and unlike fractions

## LO: To subtract unlike fractions

## Let's Practise!

5 Complete the model with the fractions $\frac{1}{2}, \frac{3}{10}$ and $\frac{4}{5}$. Then write two subtraction sentences.

(6) Subtract. Draw models to help you.
a $\frac{5}{8}-\frac{1}{2}$
b $\frac{4}{5}-\frac{1}{4}$

7 Subtract. Express your answer in its simplest form.
a $\frac{5}{6}-\frac{1}{12}$
b $\frac{9}{10}-\frac{3}{5}$
c $\frac{8}{9}-\frac{5}{6}$
d $\frac{11}{12}-\frac{7}{8}$
e $\frac{4}{5}-\frac{2}{7}$
f $\frac{7}{9}-\frac{3}{4}$
g $\frac{4}{7}-\frac{1}{6}$
h $\frac{2}{3}-\frac{3}{8}$

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Answers
(2) Subtract $\frac{1}{5}$ from $\frac{2}{3}$.

(3) Find the difference between $\frac{5}{6}$ and $\frac{5}{9}$.

$$
\begin{aligned}
\frac{5}{6} & =\frac{(13)}{(10)} \\
\frac{5}{6}-\frac{5}{9} & =\frac{(15)}{(10)}-\frac{(0)}{(1)} \\
& =\frac{(5)}{(18)}
\end{aligned}
$$

What is the lowest common

$$
\frac{5}{9}=\frac{\square}{\sqrt{B}}
$$ multiple of 6 and 9 ?



## Activity

(4) Draw bars to show the difference between the fractions. Then find the difference between the fractions.
a $\frac{1}{2}-\frac{2}{7} \frac{3}{14}$
b $\frac{5}{6}-\frac{4}{9} \frac{7}{18}$
c $\frac{3}{4}-\frac{3}{5} \frac{3}{20}$

