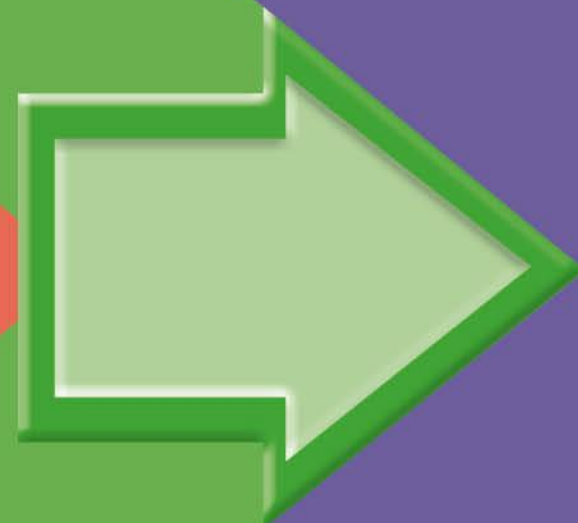


SUBTRACTION -
BREAKING THE
WHOLE



GET READY



$$1) \quad 1 = \frac{5}{\square}$$

$$2) \quad 4 = \frac{\square}{3}$$

$$3) \quad 6 \frac{1}{2} - \frac{5}{12} =$$

$$4) \quad 2 - \frac{1}{3} =$$

$$1) \quad 1 = \frac{5}{\boxed{5}}$$

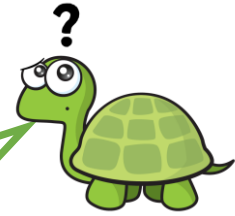
$$2) \quad 4 = \frac{\boxed{12}}{3}$$

$$3) \quad 6 \frac{1}{2} - \frac{5}{12} = 6 \frac{6}{12} - \frac{5}{12} = 6 \frac{1}{12}$$

$$4) \quad 2 - \frac{1}{3} = 1 \frac{2}{3}$$

LET'S LEARN





I don't think it's possible to calculate


$$2\frac{1}{4} - \frac{5}{12}$$

$$2\frac{1}{4} - \frac{5}{12}$$

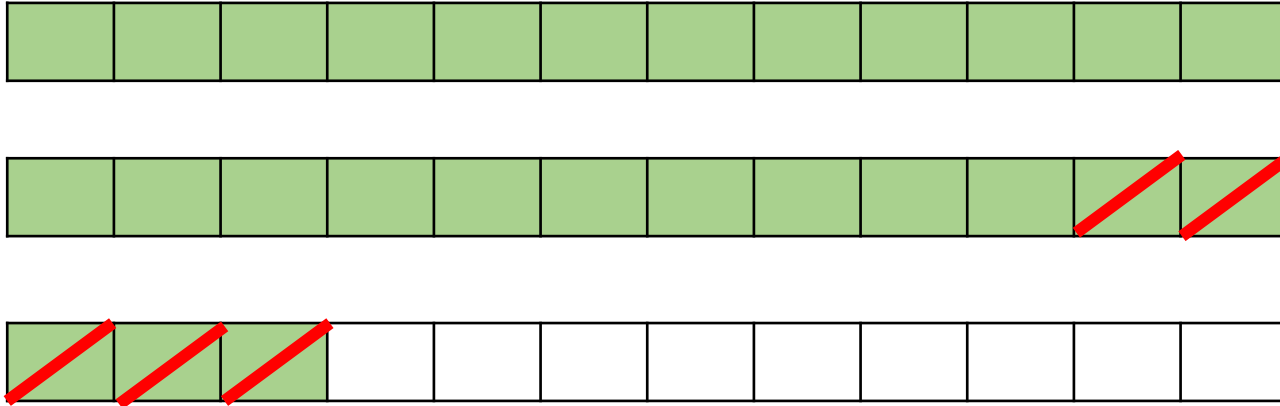
× 3

$$2\frac{3}{12}$$

$$2\frac{3}{12} - \frac{5}{12}$$

Have a think 

$$2\frac{3}{12} - \frac{5}{12}$$

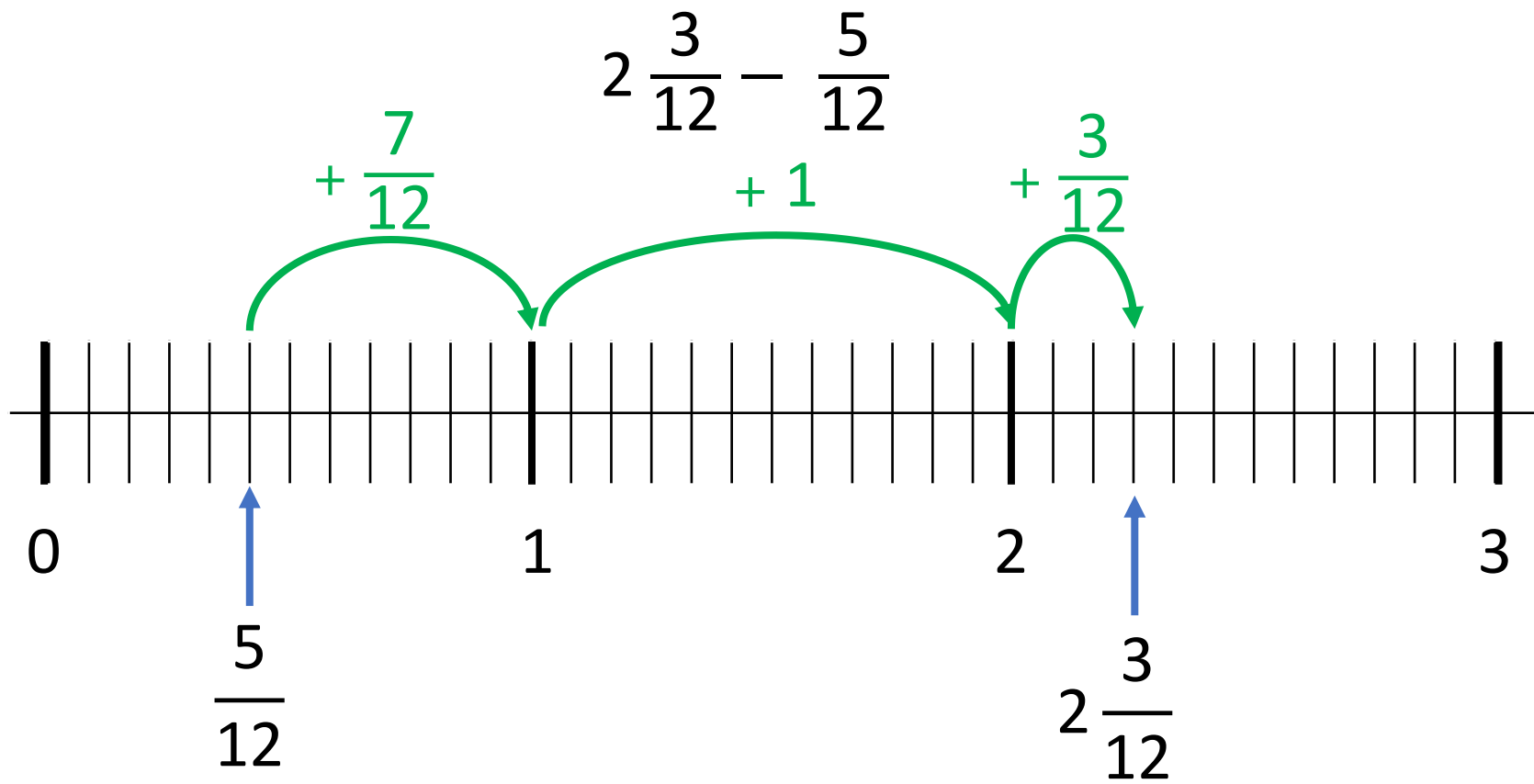


$$2\frac{3}{12} - \frac{5}{12}$$

\swarrow \searrow
 $\frac{3}{12}$ $\frac{2}{12}$

$$2\frac{3}{12} - \frac{3}{12} = 2$$

$$2 - \frac{2}{12} = 1\frac{10}{12} = 1\frac{5}{6}$$



$$\frac{7}{12} + \frac{3}{12} + 1 = 1\frac{10}{12} = 1\frac{5}{6}$$



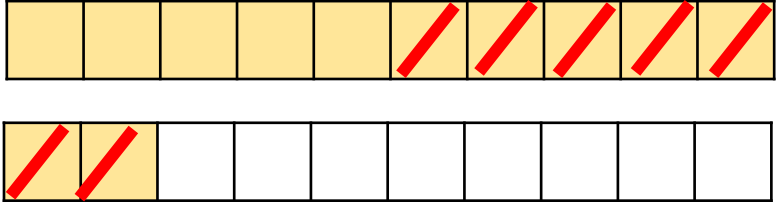
$$1) \ 1 \frac{1}{5} - \frac{7}{10} = \frac{5}{10} = \frac{1}{2}$$

Have a think

$$1 \frac{2}{10} - \frac{7}{10}$$

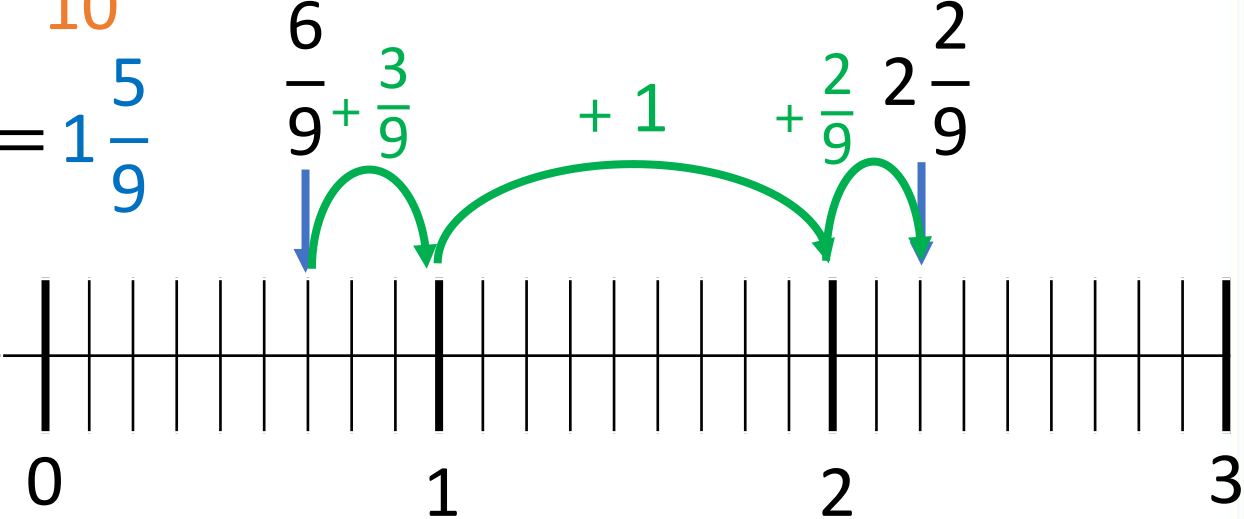
$$\begin{array}{r} 2 \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 2 \\ \hline 10 \end{array} \quad \begin{array}{r} 5 \\ \hline 10 \end{array}$$



$$2) \ 2 \frac{2}{9} - \frac{2}{3} = 1 \frac{5}{9}$$

$$2 \frac{2}{9} - \frac{6}{9}$$



$$\text{A) } 2\frac{1}{7} - \frac{6}{14} =$$

$$2\frac{2}{14} - \frac{6}{14} =$$

$$\text{B) } 2\frac{6}{7} - \frac{1}{14} =$$

$$2\frac{12}{14} - \frac{1}{14} =$$

Which calculation will break the whole? **A**

How do you know?

Have a think



YOUR TURN

Have a go at questions
1 - 3 on the worksheet






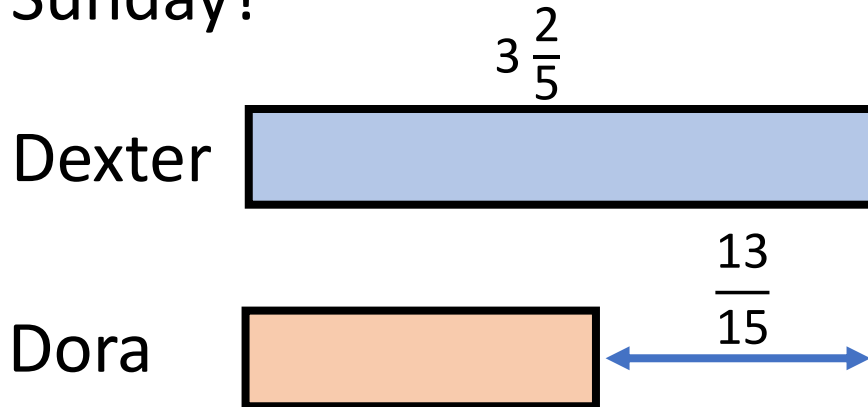
Dexter watches television for $3\frac{2}{5}$ hours during a weekend.

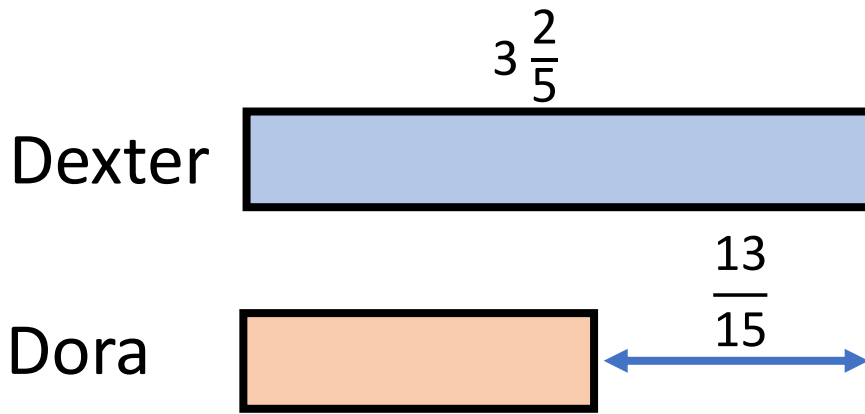


Dora watches $\frac{13}{15}$ fewer hours than Dexter.

Dora watches 1 hour of television on Saturday.
For how long does Dora watch television on Sunday?

Have a think 





Dora watches $1\frac{13}{15}$ hours of television on Saturday.

For how long does Dora watch television on Sunday?

$$3\frac{6}{15} - 1\frac{13}{15} = 2\frac{8}{15} - 1 = 1\frac{8}{15} \text{ hours}$$

$$3\frac{6}{15} - \frac{6}{15} = 3$$

$$3 - \frac{7}{15} = 2\frac{8}{15}$$

The difference between a fraction and a mixed number is $\frac{3}{4}$

The fraction has a denominator of 12

What could the fraction and mixed number be?

$$\square \frac{\square}{\square} - \frac{3}{4} = \frac{\square}{\underline{12}}$$

$$\boxed{1} \frac{\boxed{5}}{\underline{12}} - \frac{9}{12} = \frac{\boxed{8}}{\underline{12}}$$

YOUR TURN

Have a go at questions
4 - 6 on the worksheet

