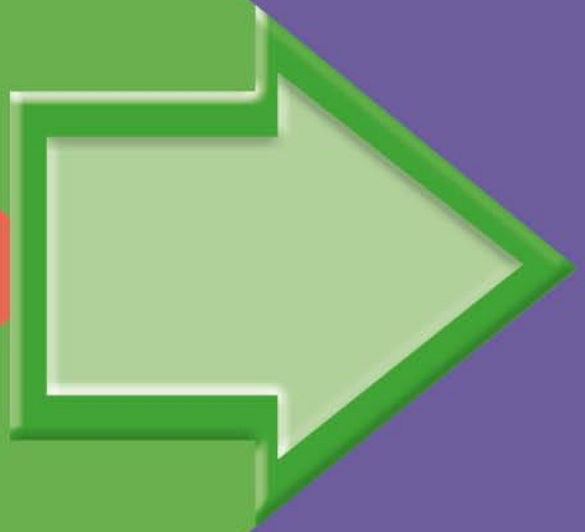
ADD AND SUBTRACT FRACTIONS (2)



White Rose Maths

GET READY

White Rose Maths

1) What is the lowest common multiple of 6 and 8?

2) $\frac{3}{4} + \frac{1}{12} =$

3) $\frac{3}{10} - \frac{1}{5} =$

4) Write $\frac{43}{13}$ as a mixed number.

1) What is the lowest common multiple of 6 and 8?

24

2) $\frac{3}{4} + \frac{1}{12} = \frac{9}{12} + \frac{1}{12} = \frac{10}{12} = \frac{5}{6}$

3) $\frac{3}{10} - \frac{1}{5} = \frac{3}{10} - \frac{2}{10} = \frac{1}{10}$

4) Write $\frac{43}{13}$ as a mixed number. $3\frac{4}{13}$

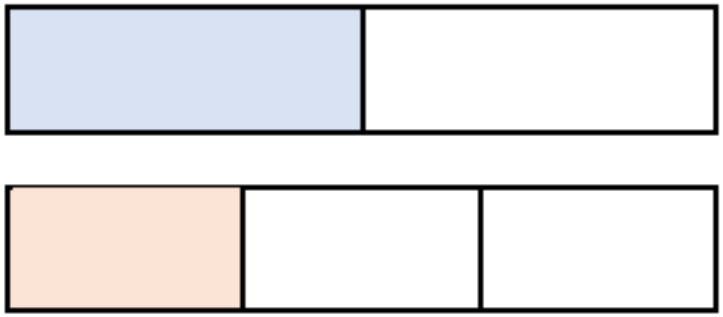
13, 26, 39, 52

LET'S LEARN

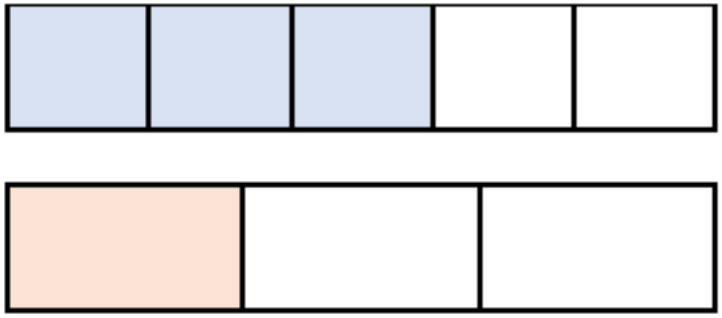
White Rose Maths

1) Use the fraction strips to help you add together

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

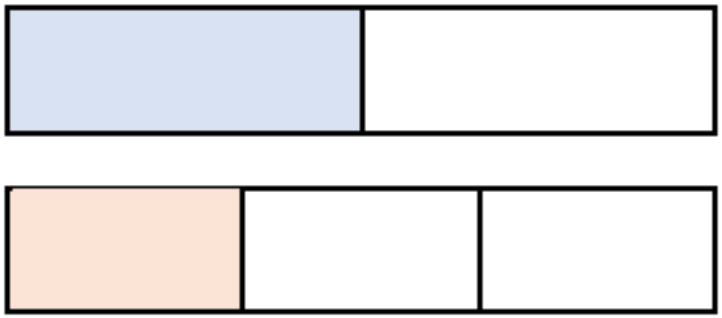


$\frac{3}{5} + \frac{1}{3} =$

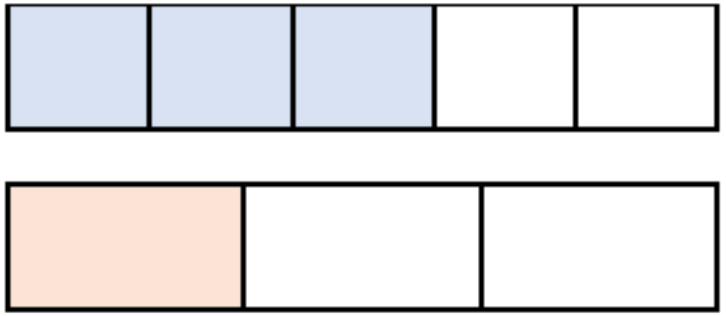


2) Use the fraction strips to help you subtract

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



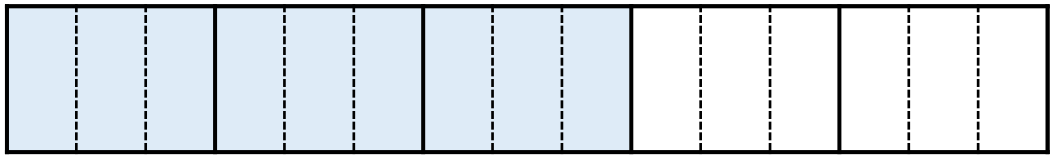
$\frac{3}{5} - \frac{1}{3} =$

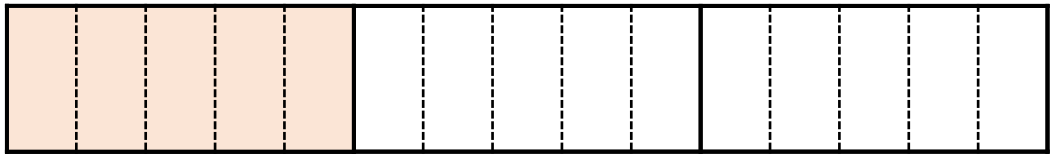


Use fraction strips to help you add together

$$\frac{3}{5} + \frac{1}{3}$$

Divide each part into 3



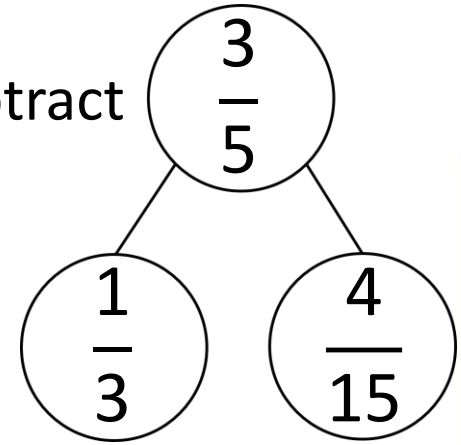


Divide each part into 5

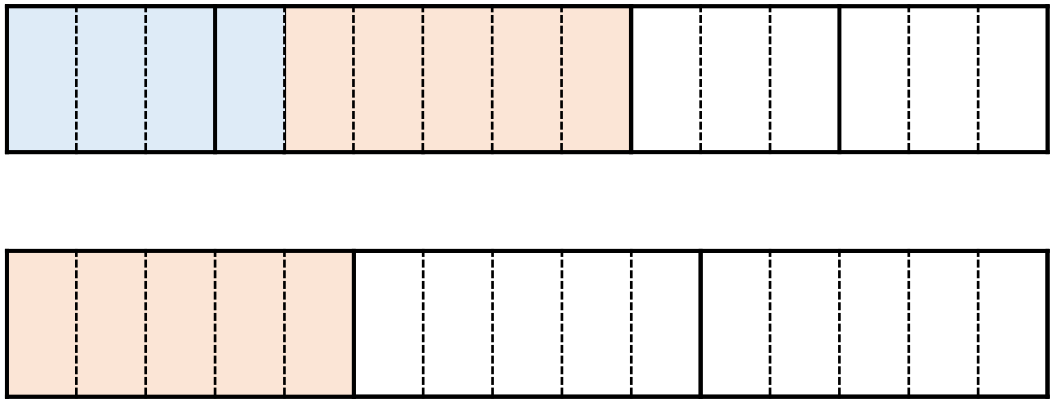
$$\frac{3}{5} + \frac{1}{3} = \frac{9}{15} + \frac{5}{15} = \frac{14}{15}$$

Use fraction strips to help you subtract

$$\frac{3}{5} - \frac{1}{3} = \frac{4}{15}$$



Divide each part into 3



Divide each part into 5

a) Partitioning

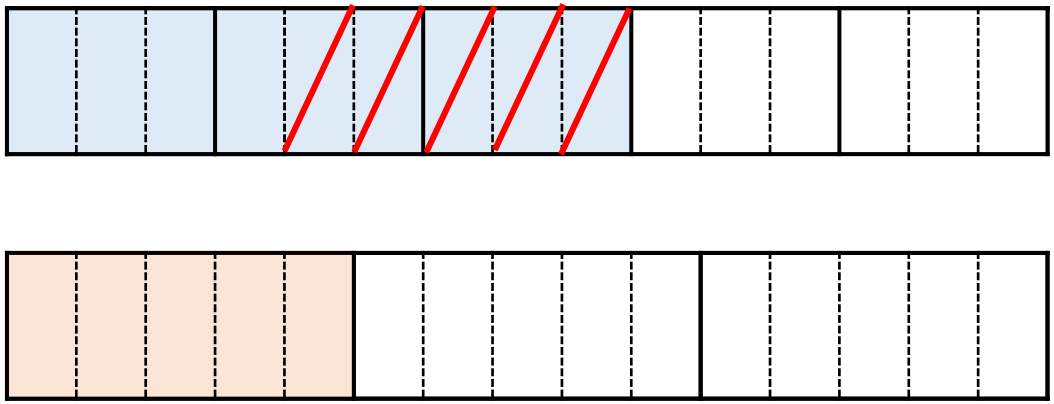
$\frac{3}{5}$ of the buttons in a bag are circular.

$\frac{1}{3}$ of the circular buttons are orange.

The rest are blue. How many are blue?

Use fraction strips to help you subtract

$$\frac{3}{5} - \frac{1}{3} = \frac{4}{15}$$



b) Reduction

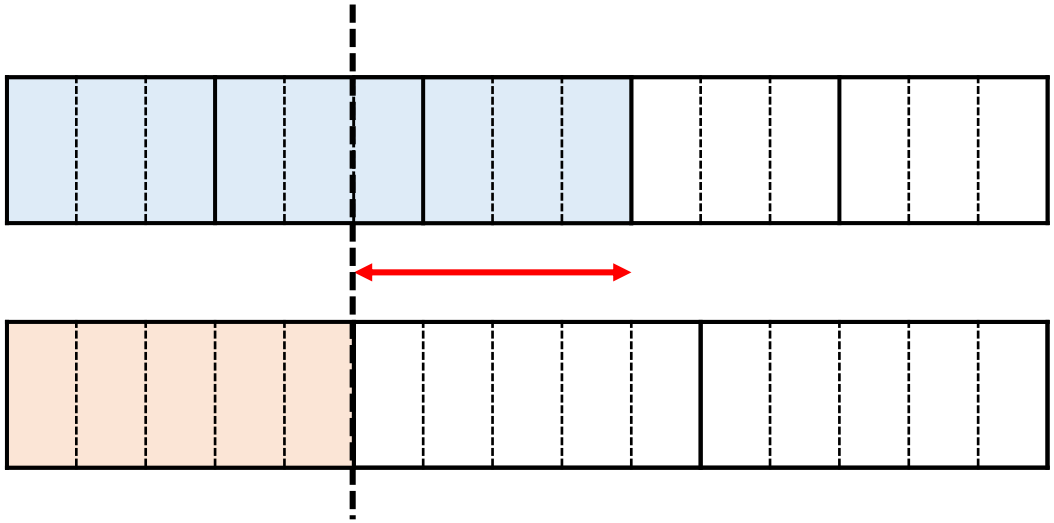
$\frac{3}{5}$ of a chocolate bar is in the fridge.

Tommy eats $\frac{1}{3}$ of it.

What fraction is left?

Use fraction strips to help you subtract

$$\frac{3}{5} - \frac{1}{3} = \frac{4}{15} \text{ km}$$



c) Difference

Eva ran $\frac{3}{5}$ km.

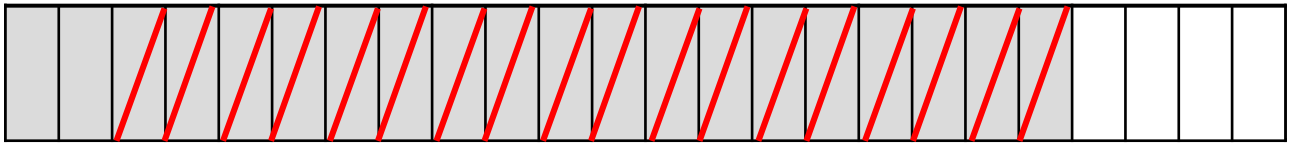
Ron ran $\frac{1}{3}$ km.

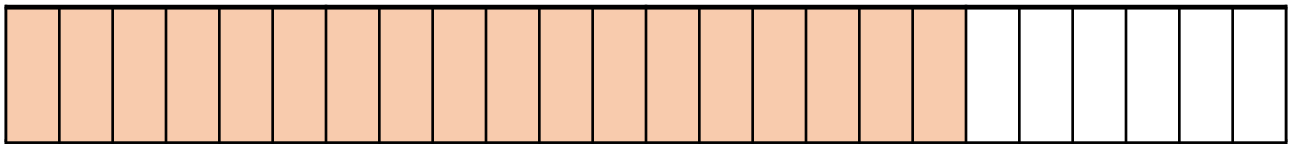
How much further did Eva run?

$$\frac{5}{6} - \frac{3}{4} = \frac{2}{24} = \frac{1}{12}$$

Divide each part into 4

$\frac{20}{24}$





$\frac{18}{24}$

Divide each part into 6

$$\frac{5}{6} - \frac{3}{4} = \frac{20}{24} - \frac{18}{24} = \frac{2}{24}$$

$$\frac{5}{6} - \frac{3}{4} = \frac{1}{12}$$

$$\frac{10}{12} -$$

Multiples of 6: 6, 12, 18, 24, 30

Multiples of 4: 4, 8, 12, 16, 20, 24

Have a think

$$\frac{3}{10} + \frac{3}{4}$$

$\times 2$ $\times 5$

$$\frac{6}{20} + \qquad = \frac{21}{20} \text{ or } 1\frac{1}{20}$$

Multiples of 10: 10, 20, 30, 40

Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40

YOUR TURN

Have a go at questions
1 - 4 on the worksheet

White Rose Maths

Have a think

$\frac{7}{4} + \frac{3}{5}$

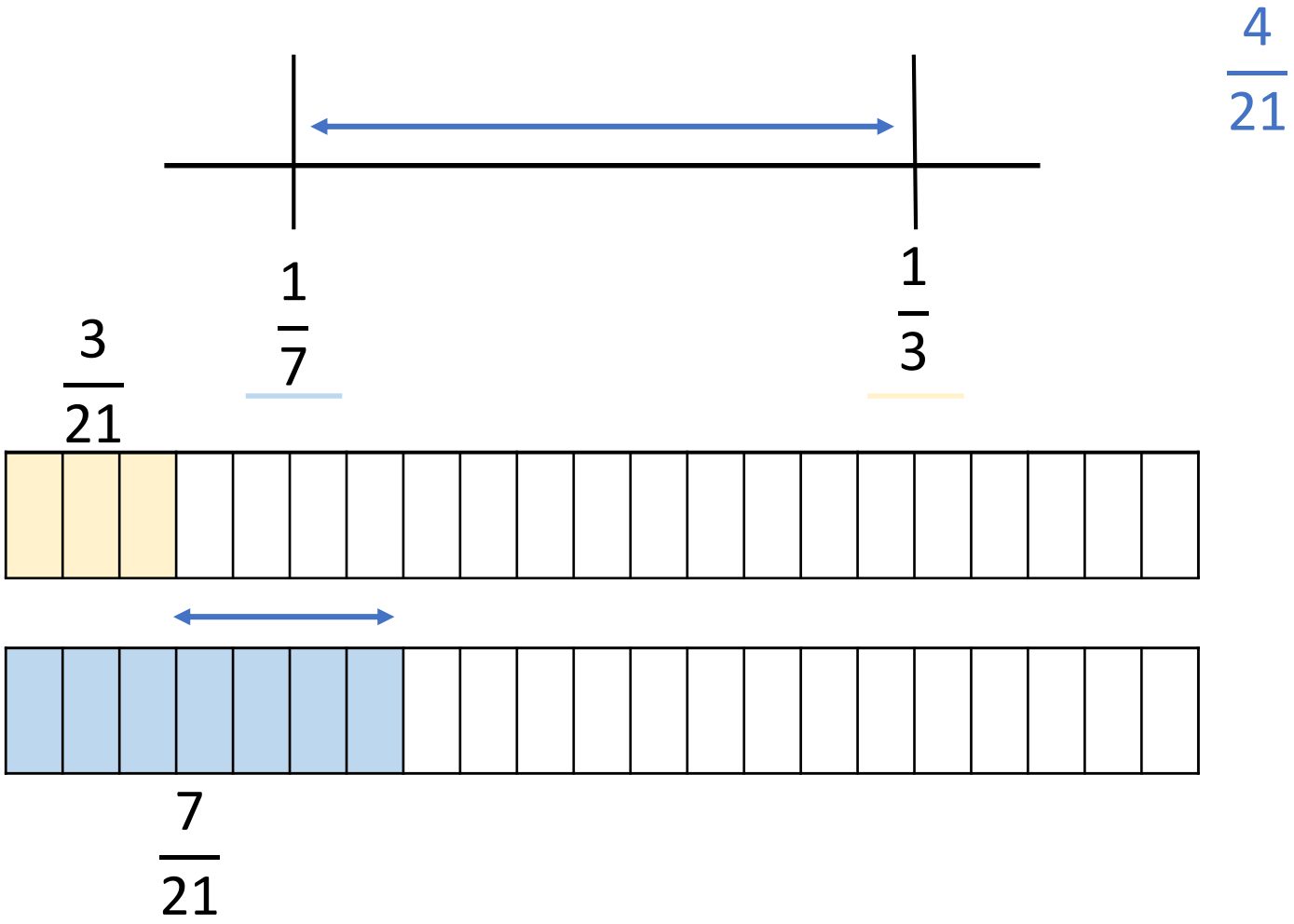
$\times 5$ $\times 4$

$\frac{35}{20} +$ $= \frac{47}{20}$ or $2\frac{7}{20}$

Multiples of 4: 4, 8, 12, 16, 20, 24

Multiples of 5: 5, 10, 15, 20, 25

What is the difference between the two numbers on the number line?



YOUR TURN

Have a go at the rest of the questions on the worksheet

White Rose Maths