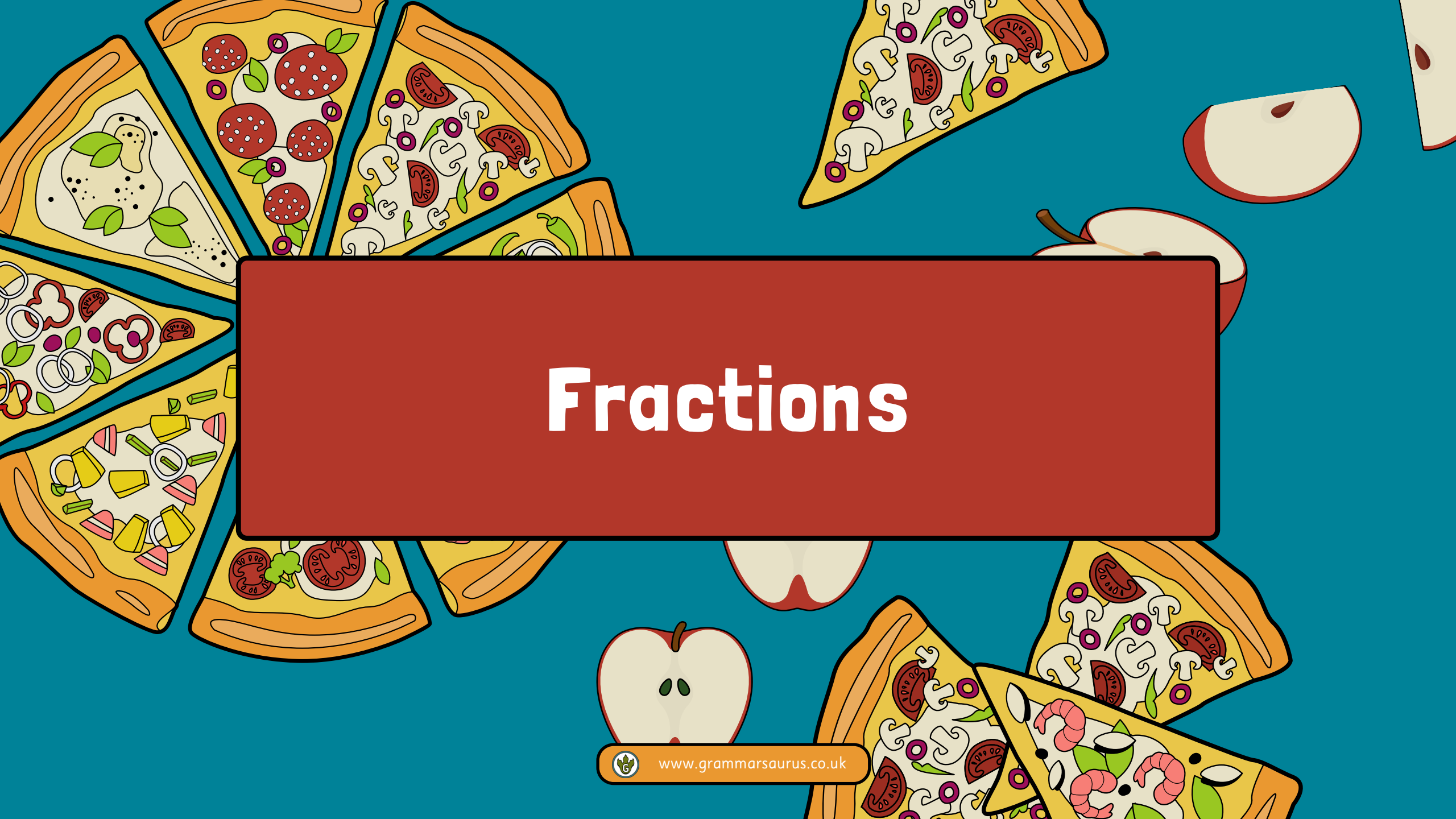
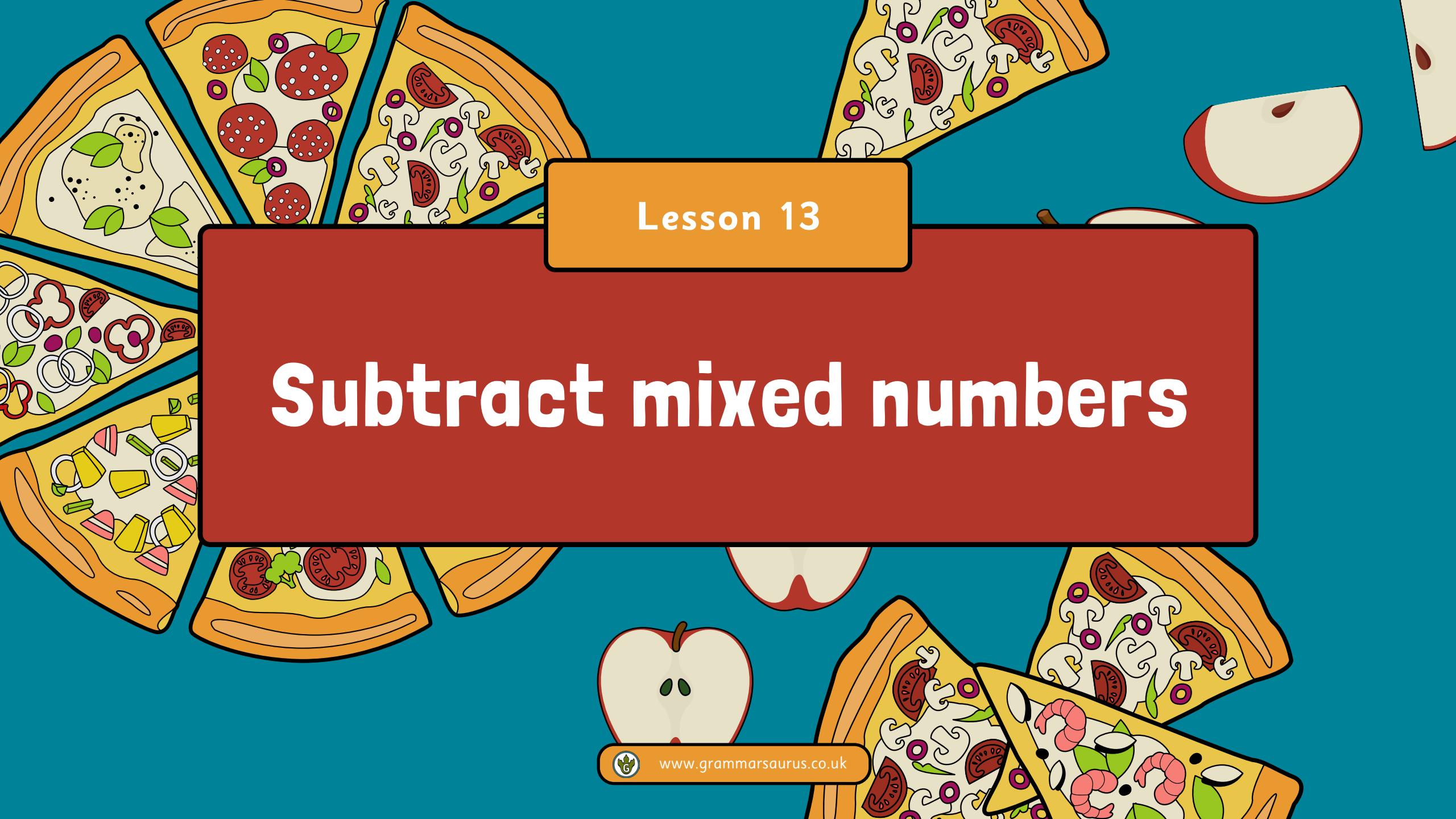

Fractions
www.grammarsaurus.co.uk


Lesson 13
Subtract mixed numbers
www.grammarsaurus.co.uk

Starter – subtract fractions

a) $\frac{7}{8} - \frac{7}{16} =$

b) $\frac{5}{12} - \frac{1}{3} =$

Starter – subtract fractions

answers

a)

$$\frac{7}{8} - \frac{7}{16} = \frac{\square}{\square} \qquad \frac{14}{16} - \frac{7}{16} = \frac{7}{16}$$

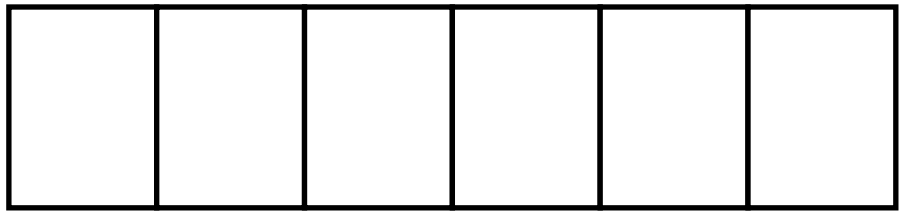
b)

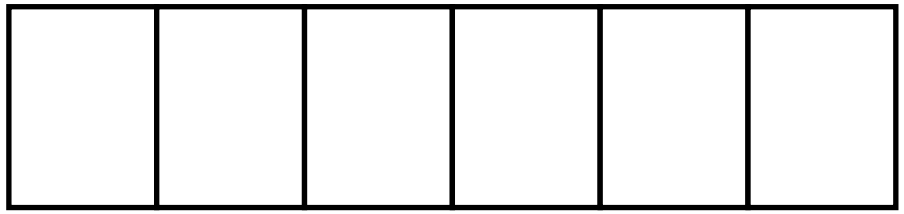
$$\frac{5}{12} - \frac{1}{3} = \frac{\square}{\square} \qquad \frac{5}{12} - \frac{4}{12} = \frac{1}{12}$$

Subtract mixed numbers

How could we use the bar models to help us solve this calculation?

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

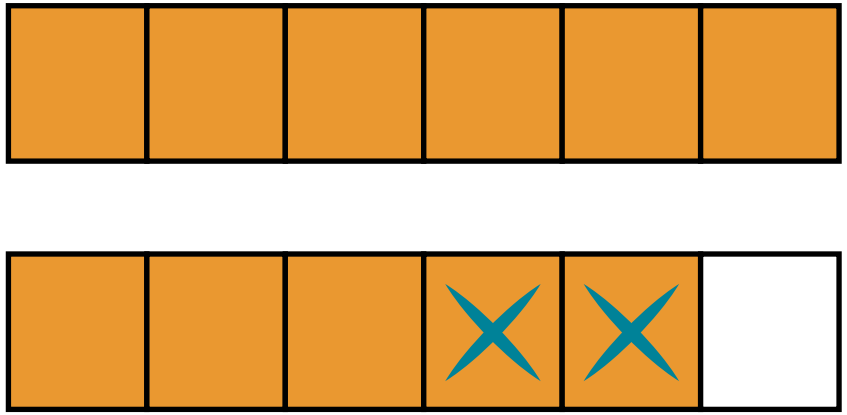




Subtract mixed numbers

answer

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



$\frac{1}{3}$ needs to be converted into sixths.

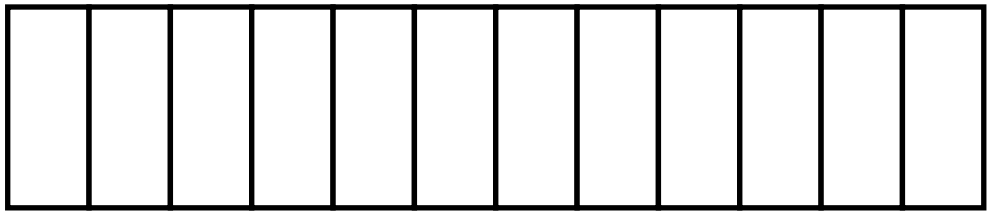
To do this we must multiply the numerator and denominator by 2.

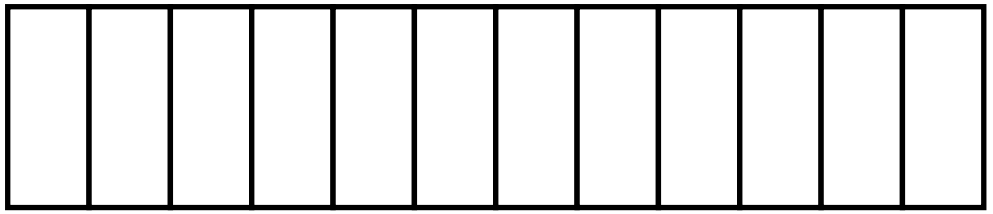
$$1\frac{5}{6} - \frac{2}{6} = 1\frac{3}{6}$$

Subtract mixed numbers

How could we use the bar models to help us solve this calculation?

$$1\frac{1}{4} - \frac{1}{12} =$$

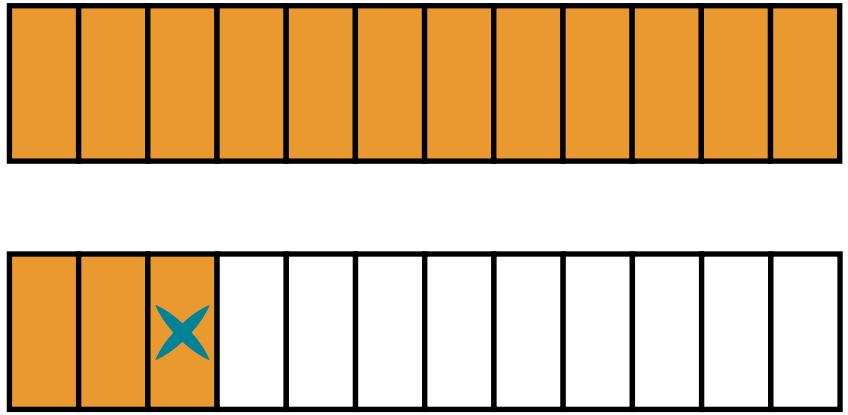




Subtract mixed numbers

answer

$$1\frac{1}{4} - \frac{1}{12} =$$

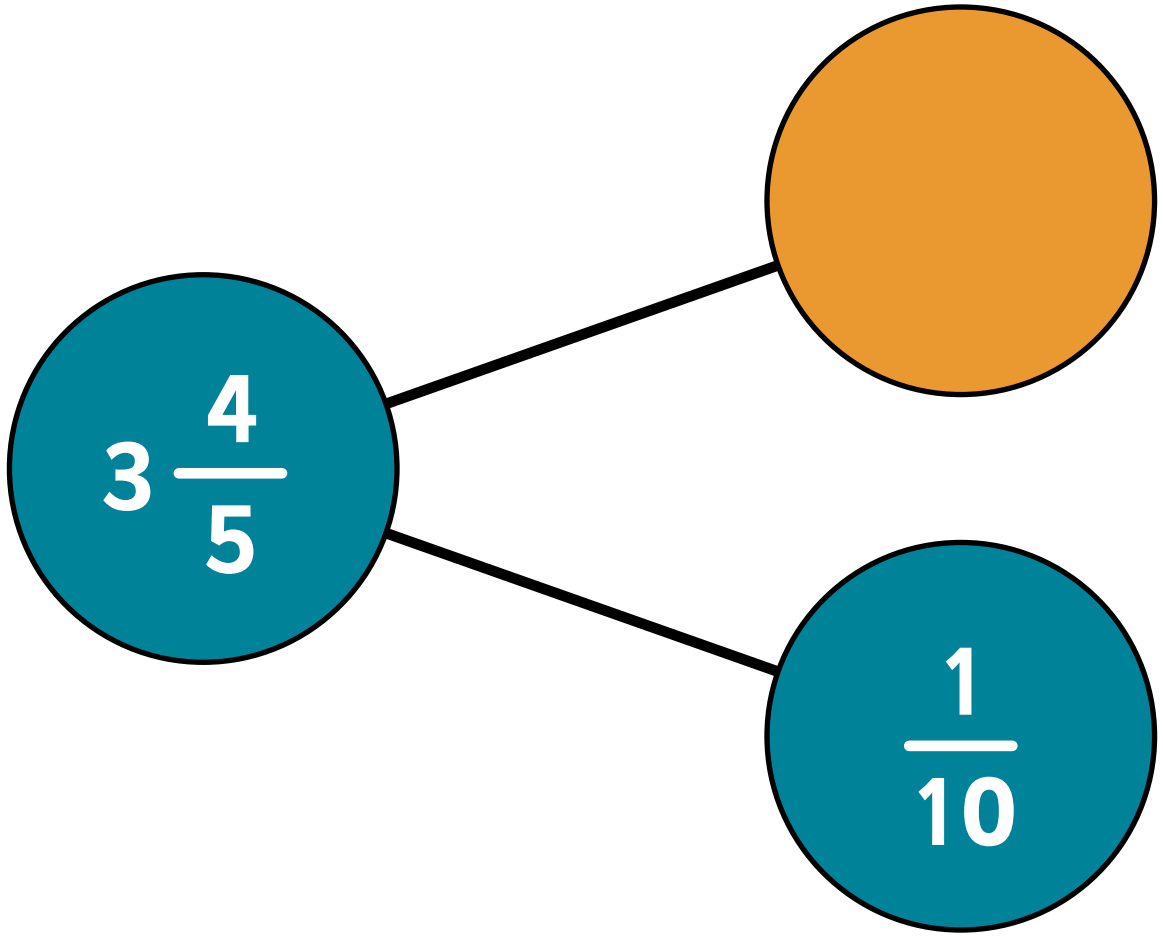


$1\frac{1}{4}$ needs to be converted into twelfths. To do this we must multiply the numerator and denominator by 3.

$$1\frac{3}{12} - \frac{1}{12} = 1\frac{2}{12}$$

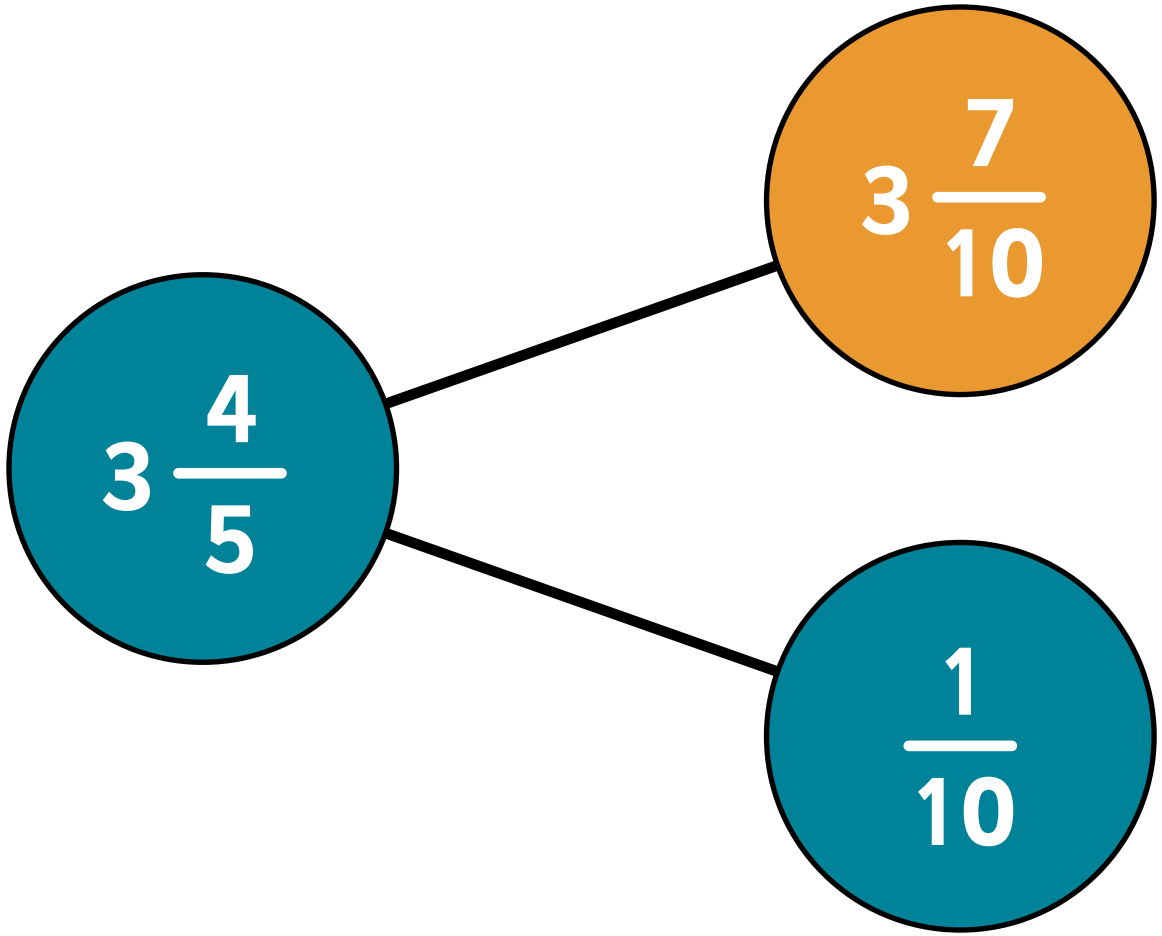
Subtract mixed numbers

Complete this part whole diagram.



Subtract mixed numbers

answer



To solve this calculation, we need to convert $3\frac{4}{5}$ into tenths. This can be done by multiplying the numerator and denominator by the same number.

Subtract fractions

Complete the calculations below.

a)

$$7\frac{11}{12} - \frac{1}{2} = \square\frac{\square}{\square}$$

b)

$$5\frac{9}{10} - \frac{7}{20} = \square\frac{\square}{\square}$$

Subtract fractions

Complete the calculations below.

answers

a)

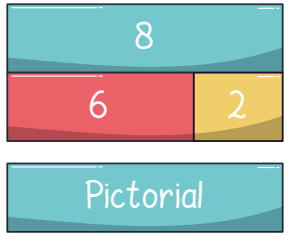
$$7\frac{11}{12} - \frac{1}{2} = 7\frac{11}{12} - \frac{6}{12} = 7\frac{5}{12}$$

b)

$$5\frac{9}{10} - \frac{7}{20} = 5\frac{18}{20} - \frac{7}{20} = 5\frac{11}{20}$$

Your turn! Try the worksheet.

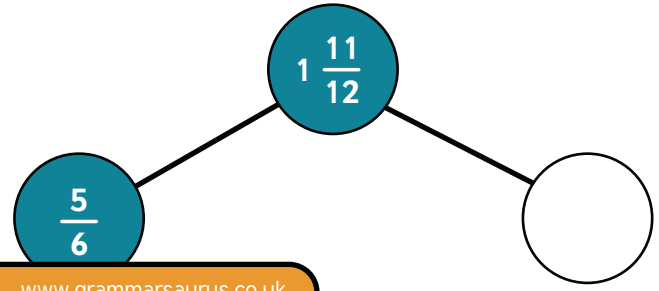
Subtract mixed numbers



E

1) Complete the subtractions below.

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

b) $1\frac{11}{12} - \frac{1}{2} = \square\frac{\square}{\square}$

c)