

# Fractions

## Question 1

Add and subtract these unlike fractions:

**a**  $\frac{1}{8} + \frac{1}{2} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**b**  $\frac{22}{25} - \frac{3}{5} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**c**  $\frac{13}{15} - \frac{2}{5} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**d**  $\frac{1}{3} + \frac{2}{21} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**e**  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{1}{2} = \frac{7}{12}$

**f**  $\frac{17}{21} - \frac{3}{7} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**g**  $\frac{3}{7} + \frac{2}{21} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**h**  $\frac{2}{12} + \frac{3}{4} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**i**  $\frac{1}{4} + \frac{1}{2} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

## Question 2

Can you add these unlike fractions and give your answer as a mixed number?

**a**  $\frac{7}{10} + \frac{7}{20} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**b**  $\frac{7}{10} + \frac{19}{40} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**c**  $\frac{7}{4} + \frac{7}{12} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**d**  $\boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{7}{9} = 2 \frac{1}{9}$

**e**  $\frac{5}{6} + \frac{7}{12} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**f**  $\frac{3}{5} + \frac{7}{15} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$



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## Question 3

Can you work out these mixed number calculations in the space below then enter your answers?

**a**  $6 \frac{2}{3} + 2 \frac{5}{6} =$    $\frac{\text{ } - \text{ }}{\text{ }}$

**b**  $8 \frac{1}{2} - 2 \frac{5}{6} =$    $\frac{\text{ } - \text{ }}{\text{ }}$

**c**  $7 \frac{1}{12} - 4 \frac{3}{4} =$    $\frac{\text{ } - \text{ }}{\text{ }}$

**d**  $7 \frac{4}{9} - 3 \frac{1}{3} =$    $\frac{\text{ } - \text{ }}{\text{ }}$

**e**  $4 \frac{1}{3} + 1 \frac{5}{6} =$    $\frac{\text{ } - \text{ }}{\text{ }}$

**f**  $6 \frac{1}{2} + 1 \frac{7}{8} =$    $\frac{\text{ } - \text{ }}{\text{ }}$



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## Question 4

Selena and Hamid go for a bike ride. Selena rides  $2\frac{2}{8}$  miles further than Hamid.

Use the space below to work out your answers.

- a** If Hamid rode for  $3\frac{1}{4}$  miles, how many miles did Selena ride?

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- b** If Hamid had ridden for  $4\frac{14}{16}$  miles, how many miles would they have ridden altogether?

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## Question 5

Simon ate 5 quarters of apple and half an orange during lunch.  
Nick ate one and five eighths of an apple and one and three quarters of an orange.

Use the space below to work out your answers.

- a** How many pieces of fruit did Simon eat altogether?


- b** How much more did Nick eat than Simon?


- c** How much fruit did both boys eat altogether?


- d** How many apples were eaten in total?


- e** What quantity of orange is left over in total?


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## Question 6

There are 24 cars in the car park.  $\frac{1}{12}$  of the cars are green,  $\frac{3}{6}$  are yellow and the rest are red.

Use the space below to work out your answers.

**a** How many red cars are there?

**b** How many more yellow cars are there than red cars – can you show this as a fraction of the total?

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