

## Clumsy Clive On Fractions

Clive is tackling his fractions homework and knows that he's made mistakes somewhere.

Can you spot and correct the mistakes Clive has made?

Can you explain what mistakes Clive has made, and maybe give him some tips so that he (hopefully) doesn't make them again?

### Question 1:

Calculate  $\frac{8}{9} - \frac{2}{3}$  giving your answer in its simplest form.

*Clive's answer:*

$$\frac{8}{9} - \frac{2}{3} = \frac{6}{6}$$

Answer:

1

*Your answer:*

*What mistake has Clive made?*

### Question 2:

Find  $\frac{3}{8}$  of £42.

*Clive's answer:*

Divide by the denominator:

$$£42 \div 8 = £5.25$$

Add the numerator.

Answer:

£8.25

*Your answer:*

*What mistake has Clive made?*

**Question 3:**

Calculate  $\frac{3}{8} + \frac{1}{4}$  giving your answer in its simplest form.

*Clive's answer:*

*Your answer:*

Find a common denominator:

$$\frac{12}{32} + \frac{8}{32}$$

Answer:  $\frac{20}{32}$

*What mistake has Clive made?*

**Question 4:**

Calculate  $\frac{15}{32} \div 1\frac{1}{4}$  giving your answer in its simplest form.

*Clive's answer:*

*Your answer:*

Divide numerators.  
Divide denominators.

Answer:

$$\frac{15}{8} = 1\frac{7}{8}$$

*What mistake has Clive made?*

**Question 5:**

Calculate  $2\frac{2}{3} \times 3\frac{1}{4}$  giving your answer as a mixed number in its simplest form.

*Clive's answer:*

*Your answer:*

Multiply the whole numbers:

$$2 \times 3 = 6$$

Multiply the fractions:

$$\frac{2}{3} \times \frac{1}{4} = \frac{2}{12}$$

Answer:

$$6\frac{1}{6}$$

*What mistake has Clive made?*

