

Adding and Subtracting Fractions

For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **24**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method.
Do not use a calculator.

1 Work out. Give each answer in its simplest form.

(a) $\frac{2}{7} + \frac{3}{7}$

[1 mark]

Answer _____

(b) $\frac{5}{9} - \frac{2}{9}$

[1 mark]

Answer _____

(c) $\frac{3}{10} + \frac{1}{5}$

[1 mark]

Answer _____

2 Work out $\frac{1}{3} + \frac{2}{5}$

[2 marks]

Answer _____

3 Work out $\frac{3}{4} - \frac{1}{6}$

[2 marks]

Answer _____

4 Circle the answer to $\frac{1}{2} + \frac{1}{4}$

[1 mark]

$\frac{2}{6}$

$\frac{2}{4}$

$\frac{3}{4}$

$\frac{1}{8}$

- 5** Work out $2\frac{1}{3} + 1\frac{3}{4}$
Give your answer as a mixed number.

[3 marks]

Answer _____

- 6** Work out $3\frac{1}{5} - 1\frac{1}{2}$

[3 marks]

Answer _____

- 7** Write down two different fractions, each with a numerator of 1,
whose difference is $\frac{1}{12}$

[1 mark]

Answer _____ and _____

- 8** Anna plants flowers in $\frac{1}{4}$ of her garden.
She plants vegetables in $\frac{1}{3}$ of her garden.
The rest is lawn.
What fraction of the garden is left for lawn?

[3 marks]

Answer _____

- 9** Dev works out $\frac{1}{5} + \frac{2}{3} = \frac{3}{8}$
What mistake has Dev made?

[1 mark]

- 10** Work out the missing fraction.

$$\frac{2}{3} + \boxed{} = \frac{9}{10}$$

[2 marks]

- 11** A water tank holds 240 litres when it is full.
The tank is $\frac{5}{6}$ full.
Water equal to $\frac{3}{8}$ of the **full** tank is then used.
How many litres of water are left in the tank?

[3 marks]

Answer _____ litres