

Adding and Subtracting Fractions

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **25**

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

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

(a) $\frac{4}{11} + \frac{5}{11}$

.....
(1)

(b) $\frac{1}{2} - \frac{1}{6}$

.....
(1)

(Total for Question 1 is 2 marks)

2 Work out $\frac{3}{5} + \frac{1}{4}$

.....
(2)

(Total for Question 2 is 2 marks)

3 Work out $\frac{5}{6} - \frac{3}{8}$

.....
(2)

(Total for Question 3 is 2 marks)

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

.....
(3)

(Total for Question 4 is 3 marks)

5 Show that $3\frac{1}{4} - 1\frac{2}{3} = 1\frac{7}{12}$

(3)

(Total for Question 5 is 3 marks)

- 6** Kofi has a length of ribbon.
He uses $\frac{2}{7}$ of the ribbon to wrap a present for his sister.
He uses $\frac{1}{3}$ of the ribbon to wrap a present for his brother.

Kofi says, "I have more than $\frac{1}{3}$ of the ribbon left."
Is Kofi correct?
You must show your working.

(3)

(Total for Question 6 is 3 marks)

- 7** Work out $\frac{7}{10} - \frac{1}{4} + \frac{1}{2}$

.....
(2)

(Total for Question 7 is 2 marks)

8 Lily works out $\frac{3}{4} - \frac{1}{2} = \frac{2}{2} = 1$

Explain what Lily has done wrong.

(1)

(Total for Question 8 is 1 mark)

9 A jug holds $2\frac{1}{2}$ litres of juice.

Sam pours out $\frac{3}{4}$ litre and then $1\frac{1}{3}$ litres.

How much juice is left in the jug?

..... litres

(3)

(Total for Question 9 is 3 marks)

10 Some people take part in a fun run.

$\frac{3}{8}$ of the runners are children.

$\frac{1}{3}$ of the runners are women.

The rest of the runners are men.

There are 70 men in the fun run.

Work out the total number of runners in the fun run.

.....

(4)

(Total for Question 10 is 4 marks)
