

Fractions - Four Operations

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

Name _____

Total marks: **24**

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

1 (a) Work out $2\frac{5}{8} + 1\frac{5}{6}$

.....
(2)

(b) Work out $2\frac{1}{4} \div 1\frac{2}{7}$

Give your answer as a mixed number in its simplest form.

.....
(2)

(Total for Question 1 is 4 marks)

2 Work out $3\frac{1}{3} \times 1\frac{3}{4}$

Give your answer as a mixed number in its simplest form.

.....
(3)

(Total for Question 2 is 3 marks)

3 Show that $1\frac{3}{5} \times 2\frac{3}{4} = 4\frac{2}{5}$

(3)

(Total for Question 3 is 3 marks)

4 Show that $4\frac{1}{2} \div 1\frac{1}{8} = 4$

(3)

(Total for Question 4 is 3 marks)

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

.....
(3)

(Total for Question 5 is 3 marks)

- 6 $\frac{1}{a} = \frac{1}{2} - \frac{1}{5}$
Find the value of a .

$a = \dots\dots\dots$
(2)

(Total for Question 6 is 2 marks)

- 7 A tank holds $22\frac{1}{2}$ litres of water.
A jug holds $1\frac{7}{8}$ litres of water.
How many jugs of water are needed to fill the tank?

$\dots\dots\dots$
(3)

(Total for Question 7 is 3 marks)

- 8 Jo spends $\frac{2}{5}$ of her money on rent.
She spends $\frac{3}{8}$ of the rest on food.
What fraction of her money is left?

$\dots\dots\dots$
(3)

(Total for Question 8 is 3 marks)
