

Multiplying and Dividing 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 $\frac{3}{7} \times \frac{2}{9}$
Give your answer in its simplest form.

.....
(2)

(Total for Question 1 is 2 marks)

- 2** Work out $\frac{4}{9} \div \frac{2}{3}$

.....
(2)

(Total for Question 2 is 2 marks)

3 Work out $\frac{5}{8} \times 12$

.....
(2)

(Total for Question 3 is 2 marks)

4 Work out $\left(\frac{2}{3}\right)^2 \times \frac{9}{10}$

.....
(2)

(Total for Question 4 is 2 marks)

5 Omar works out $\frac{3}{4} \div \frac{1}{2} = \frac{4}{3} \times \frac{1}{2} = \frac{4}{6}$

Explain the mistake Omar has made.

.....
(1)

(Total for Question 5 is 1 mark)

- 6** Work out $\frac{4}{7} \div \frac{1}{3}$
Give your answer as a mixed number.

.....
(3)

(Total for Question 6 is 3 marks)

- 7** Show that $5\frac{1}{3} \div 4 = 1\frac{1}{3}$

(2)

(Total for Question 7 is 2 marks)

- 8** Show that $2\frac{2}{3} \times 1\frac{1}{8} = 3$

(3)

(Total for Question 8 is 3 marks)

- 9 A piece of ribbon is 6 m long.
It is cut into pieces that are each $\frac{2}{5}$ m long.
How many pieces are there?

.....
(2)

(Total for Question 9 is 2 marks)

- 10 A jug holds $1\frac{3}{4}$ litres of water.
Sam fills glasses from the jug.
Each glass holds $\frac{1}{5}$ of a litre.
How many glasses can Sam fill completely?

.....
(3)

(Total for Question 10 is 3 marks)

- 11 Show that $3\frac{1}{3} \div 1\frac{1}{4} = 2\frac{2}{3}$

(3)

(Total for Question 11 is 3 marks)
