

# Multiplying and Dividing Fractions

For AQA GCSE Mathematics (8300) • Foundation tier

Name \_\_\_\_\_

Total marks: **24**

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

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

(a)  $\frac{2}{3} \times \frac{4}{5}$

**[1 mark]**

Answer \_\_\_\_\_

(b)  $\frac{3}{8} \times 4$

**[1 mark]**

Answer \_\_\_\_\_

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

**[1 mark]**

2

$\frac{1}{8}$

8

$\frac{1}{6}$

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

**[2 marks]**

Answer \_\_\_\_\_

**4** Work out  $\frac{3}{5}$  of  $\frac{10}{21}$

**[2 marks]**

Answer \_\_\_\_\_

**5** Work out  $\frac{5}{9} \times 7$   
Give your answer as a mixed number.

**[2 marks]**

Answer \_\_\_\_\_

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

[3 marks]

Answer \_\_\_\_\_

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

[3 marks]

Answer \_\_\_\_\_

8 Kyle says,

‘When you multiply two fractions, the answer is always bigger than both fractions.’

Is he correct? Tick a box.

Give a reason for your answer.

[1 mark]

☐ Yes

☐ No

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- 9** Maya has 9 litres of juice.  
She pours the juice into bottles.  
Each bottle holds  $\frac{3}{4}$  of a litre.  
How many bottles can she fill?

**[2 marks]**

Answer \_\_\_\_\_

- 10** A rectangle has length  $3\frac{1}{2}$  m and width  $\frac{4}{5}$  m.  
Work out the area of the rectangle.  
Give your answer as a mixed number.

**[2 marks]**

Answer \_\_\_\_\_ m<sup>2</sup>

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

**[4 marks]**

Answer \_\_\_\_\_