



THIRD SPACE  
LEARNING

# GCSE Exam Questions

Fractions | Number

## GCSE Exam Questions: Fractions

- 1) Without a calculator, work out  $\frac{4}{7} + \frac{5}{6}$ .

Give your answer as a mixed number.

-----  
(3 marks)

- 2) Without a calculator, work out  $7\frac{1}{4} \div 2\frac{2}{3}$ .

Give your answer as a mixed number.

-----  
(4 marks)

- 3) Marty has a bookcase with only fiction and non-fiction books.

$\frac{2}{7}$  of the books are non-fiction.

If there are 10 non-fiction books, how many books are fiction?

-----  
(3 marks)

# GCSE Exam Questions: Fractions Answers

	Question	Answer	Marks
1)	Without a calculator. Work out $\frac{4}{7} + \frac{5}{6}$ . Give your answer as a mixed number.	$\frac{24}{42} + \frac{35}{42}$ $= \frac{59}{42}$ $= 1\frac{17}{42}$	<b>(1)</b>  <b>(1)</b>  <b>(1)</b>
2)	Without a calculator. Work out $7\frac{1}{4} \div 2\frac{2}{3}$ . Give your answer as a mixed number.	$\frac{29}{4} \div \frac{8}{3}$ $= \frac{29}{4} \times \frac{3}{8}$ $= \frac{87}{32}$ $= 2\frac{23}{32}$	<b>(1)</b>  <b>(1)</b>  <b>(1)</b>  <b>(1)</b>
3)	Marty has a bookcase with only fiction and non-fiction books. $\frac{2}{7}$ of the books are non-fiction.  If there are 10 non-fiction books, how many books are fiction?	$\frac{2}{7} = \frac{10}{35}$ $= 1 - \frac{10}{35} = \frac{25}{35}$ <p>25 fiction books</p>	<b>(1)</b>  <b>(1)</b>  <b>(1)</b>

# Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning [GCSE maths revision](#) pages.

Scan the QR code to discover our library of FREE GCSE maths revision resources

## Do you have KS4 students who need additional support in maths?



Our specialist tutors will help students to develop the skills they need to succeed at GCSE in weekly one to one online revision lessons. Trusted by secondary schools across the UK.

Visit [thirdspacelearning.com](https://thirdspacelearning.com) to find out more.