



THIRD SPACE  
LEARNING

# GCSE Exam Questions

Factorising to a Single Bracket |  
Algebra

## GCSE Exam Questions: Factorising to a Single Bracket

1) (a) Factorise  $5x - 20$

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(1)

(b) Factorise fully  $8x^2 + 12xy$

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(2)

**(3 marks)**

2) (a) Factorise  $x^2 + 8x$

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(1)

(b) Factorise fully  $6y^2 - 24xy$

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(2)

**(3 marks)**

3) (a) Factorise  $p^2 + 2p$

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(1)

(b) Factorise fully  $x^2y - xy^2$

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(2)

(c) Factorise fully  $15d^4e^2 + 20d^3e$

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(2)

**(5 marks)**

## GCSE Exam Questions: Factorising to a Single Bracket Answers

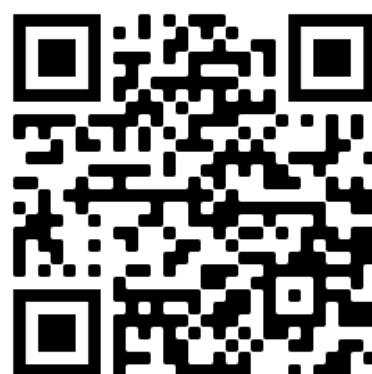
	Question	Answer	Marks
<b>1) (a)</b>	Factorise $5x - 20$	$5(x - 4)$	<b>(1)</b>
<b>(b)</b>	Factorise fully $8x^2 + 12xy$	$4x (...)$ $4x(2x + 3y)$	<b>(1)</b> <b>(1)</b>
<b>2) (a)</b>	Factorise $x^2 + 8x$	$x(x + 8)$	<b>(1)</b>
<b>(b)</b>	Factorise fully $6y^2 - 24xy$	$6y (...)$ $6y(y - 4x)$	<b>(1)</b> <b>(1)</b>
<b>3) (a)</b>	Factorise $p^2 + 2p$	$p(p + 2)$	<b>(1)</b>
<b>(b)</b>	Factorise fully $x^2y - xy^2$	$xy$ $xy(x - y)$	<b>(1)</b> <b>(1)</b>
<b>(c)</b>	Factorise fully $15d^4e^2 + 20d^3e$	$5d^3e (...)$ $5d^3e(3de + 4)$	<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.

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