
GCSE Mathematics

Expanding Double Brackets

Mark Scheme - Grades 5-6

M = method mark, A = accuracy mark (dependent on the preceding M mark), B = independent mark.

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Edexcel-style questions

Q1 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 + 5x + 3x + 15$	M1
(a)	$x^2 + 8x + 15$	A1

Q2 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 - 2x + 4x - 8$	M1
(a)	$x^2 + 2x - 8$	A1

Q3 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 - 6x - 3x + 18$	M1
(a)	$x^2 - 9x + 18$	A1

Q4 Grade 6 Edexcel style

Total: 3

Part	Mark scheme	Marks
(a)	$2x^2 + 8x + 3x + 12$	M1
(a)	$8x + 3x = 11x$	M1
(a)	$2x^2 + 11x + 12$	A1

Q5 Grade 6 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$(x + 5)(x + 5) = x^2 + 5x + 5x + 25$	M1
(a)	$x^2 + 10x + 25$	A1

AQA-style questions

Q6 Grade 5 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 + 6x + 2x + 12$	M1
(a)	$x^2 + 8x + 12$	A1

Q7 Grade 5 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 + 3x - 5x - 15$	M1
(a)	$x^2 - 2x - 15$	A1

Q8 Grade 5 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 - 8x - 2x + 16$	M1
(a)	$x^2 - 10x + 16$	A1

Q9 Grade 6 AQA style

Total: 3

Part	Mark scheme	Marks
(a)	$3x^2 + 15x + x + 5$	M1
(a)	$15x + x = 16x$	M1
(a)	$3x^2 + 16x + 5$	A1

Q10 Grade 6 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$(x + 3)(x + 3) = x^2 + 3x + 3x + 9$	M1
(a)	$x^2 + 6x + 9$	A1

OCR-style questions

Q11 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$x^2 + x + 4x + 4$	M1
(a)	$x^2 + 5x + 4$	A1

Q12 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$x^2 - x + 6x - 6$	M1
(a)	$x^2 + 5x - 6$	A1

Q13 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$x^2 - 4x - 5x + 20$	M1
(a)	$x^2 - 9x + 20$	A1

Q14 Grade 6 OCR style**Total: 3**

Part	Mark scheme	Marks
(a)	$2x^2 + 12x - x - 6$	M1
(a)	$12x - x = 11x$	M1
(a)	$2x^2 + 11x - 6$	A1

Q15 Grade 6 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$(x - 4)(x - 4) = x^2 - 4x - 4x + 16$	M1
(a)	$x^2 - 8x + 16$	A1

Teachably-style questions

Q16 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 + 2x + 7x + 14$	M1
(a)	$x^2 + 9x + 14$	A1

Q17 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 + 7x - 4x - 28$	M1
(a)	$x^2 + 3x - 28$	A1

Q18 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$x^2 - 3x - 7x + 21$	M1
(a)	$x^2 - 10x + 21$	A1

Q19 Grade 6 Teachably style

Total: 3

Part	Mark scheme	Marks
(a)	$3x^2 - 12x + 2x - 8$	M1
(a)	$-12x + 2x = -10x$	M1
(a)	$3x^2 - 10x - 8$	A1

Q20 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$(x - 6)(x - 6) = x^2 - 6x - 6x + 36$	M1
(a)	$x^2 - 12x + 36$	A1

END OF PAPER

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