
GCSE Mathematics

Expanding Single Brackets

Mark Scheme - Foundation | Grades 3-5

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

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Edexcel-style questions

Q1 Grade 3 Edexcel style

Total: 1

Part	Mark scheme	Marks
(a)	$5x + 15$	B1

Q2 Grade 4 Edexcel style

Total: 1

Part	Mark scheme	Marks
(a)	$-3x + 12$	B1

Q3 Grade 4 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$x \times x = x^2, x \times 5 = 5x$	M1
(a)	$x^2 + 5x$	A1

Q4 Grade 5 Edexcel style

Total: 3

Part	Mark scheme	Marks
(a)	$4(x + 3) = 4x + 12$	M1
(a)	$2(x - 5) = 2x - 10$	M1
(a)	$4x + 12 + 2x - 10 = 6x + 2$	A1

Q5 Grade 5 Edexcel style

Total: 3

Part	Mark scheme	Marks
(a)	$5(x - 3) = 5x - 15$	M1
(a)	$-2(x - 4) = -2x + 8$	M1
(a)	$5x - 15 - 2x + 8 = 3x - 7$	A1

AQA-style questions

Q6 Grade 3 AQA style

Total: 1

Part	Mark scheme	Marks
(a)	$4y + 8$	B1

Q7 Grade 4 AQA style

Total: 1

Part	Mark scheme	Marks
(a)	$-2y - 10$	B1

Q8 Grade 4 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$y \times y = y^2, y \times 3 = 3y$	M1
(a)	$y^2 + 3y$	A1

Q9 Grade 5 AQA style

Total: 3

Part	Mark scheme	Marks
(a)	$3(y + 4) = 3y + 12$	M1
(a)	$2(y + 1) = 2y + 2$	M1
(a)	$3y + 12 + 2y + 2 = 5y + 14$	A1

Q10 Grade 5 AQA style

Total: 3

Part	Mark scheme	Marks
(a)	$-3(y - 2) = -3y + 6$	M1
(a)	$20 - 3y + 6$	M1
(a)	$26 - 3y$	A1

OCR-style questions

Q11 Grade 3 OCR style**Total: 1**

Part	Mark scheme	Marks
(a)	$3a + 21$	B1

Q12 Grade 4 OCR style**Total: 1**

Part	Mark scheme	Marks
(a)	$-4a + 8$	B1

Q13 Grade 4 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$a \times a = a^2$, $a \times -6 = -6a$	M1
(a)	$a^2 - 6a$	A1

Q14 Grade 5 OCR style**Total: 3**

Part	Mark scheme	Marks
(a)	$5(a + 2) = 5a + 10$	M1
(a)	$3(a - 4) = 3a - 12$	M1
(a)	$5a + 10 + 3a - 12 = 8a - 2$	A1

Q15 Grade 5 OCR style**Total: 3**

Part	Mark scheme	Marks
(a)	$6(a - 1) = 6a - 6$	M1
(a)	$-2(a - 5) = -2a + 10$	M1
(a)	$6a - 6 - 2a + 10 = 4a + 4$	A1

Teachably-style questions

Q16 Grade 3 Teachably style

Total: 1

Part	Mark scheme	Marks
(a)	$6p + 6$	B1

Q17 Grade 4 Teachably style

Total: 1

Part	Mark scheme	Marks
(a)	$-5p - 15$	B1

Q18 Grade 4 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$p \times p = p^2$, $p \times 4 = 4p$	M1
(a)	$p^2 + 4p$	A1

Q19 Grade 5 Teachably style

Total: 3

Part	Mark scheme	Marks
(a)	$2(p + 6) = 2p + 12$	M1
(a)	$4(p - 3) = 4p - 12$	M1
(a)	$2p + 12 + 4p - 12 = 6p$	A1

Q20 Grade 5 Teachably style

Total: 3

Part	Mark scheme	Marks
(a)	$-4(p - 2) = -4p + 8$	M1
(a)	$15 - 4p + 8$	M1
(a)	$23 - 4p$	A1

END OF PAPER

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