
GCSE Mathematics

Straight Line Graphs Practice

Mark Scheme - Foundation, Grade 4-6

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

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Edexcel-style questions

Q1 Grade 4 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	Gradient = 3, y-intercept = 5	B2

Q2 Grade 4 Edexcel style

Total: 3

Part	Mark scheme	Marks
(a)	$y = -1$, $y = 1$, $y = 7$	B3

Q3 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	gradient = 1, y-intercept = 2	M1
(a)	$y = x + 2$	A1

Q4 Grade 5 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	x-axis: (3, 0)	B1
(a)	y-axis: (0, -6)	B1

Q5 Grade 6 Edexcel style

Total: 2

Part	Mark scheme	Marks
(a)	$2 \times 3 + 1 = 7$	M1
(a)	Yes, since this equals the y-coordinate 7	A1

AQA-style questions

Q6 Grade 4 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	Gradient = -2, y-intercept = 7	B2

Q7 Grade 4 AQA style

Total: 3

Part	Mark scheme	Marks
(a)	$y = -10$, $y = -4$, $y = 2$	B3

Q8 Grade 5 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	gradient = -1, y-intercept = 3	M1
(a)	$y = -x + 3$	A1

Q9 Grade 5 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	x-axis: (-3, 0)	B1
(a)	y-axis: (0, 9)	B1

Q10 Grade 6 AQA style

Total: 2

Part	Mark scheme	Marks
(a)	$3 \times 4 - 2 = 10$	M1
(a)	No, since $10 \neq 9$	A1

OCR-style questions

Q11 Grade 4 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	Gradient = 4, y-intercept = -3	B2

Q12 Grade 4 OCR style

Total: 3

Part	Mark scheme	Marks
(a)	$y = 8$, $y = 5$, $y = 1$	B3

Q13 Grade 5 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	gradient = 2, y-intercept = -1	M1
(a)	$y = 2x - 1$	A1

Q14 Grade 5 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	x-axis: (2, 0)	B1
(a)	y-axis: (0, -8)	B1

Q15 Grade 6 OCR style

Total: 2

Part	Mark scheme	Marks
(a)	$-3 \times -2 + 2 = 8$	M1
(a)	Yes, since this equals the y-coordinate 8	A1

Teachably-style questions

Q16 Grade 4 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	Gradient = -1, y-intercept = 6	B2

Q17 Grade 4 Teachably style

Total: 3

Part	Mark scheme	Marks
(a)	$y = 6$, $y = 4$, $y = 0$	B3

Q18 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	gradient = -2, y-intercept = 4	M1
(a)	$y = -2x + 4$	A1

Q19 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	x-axis: (5, 0)	B1
(a)	y-axis: (0, 10)	B1

Q20 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$2 \times 5 - 3 = 7$	M1
(a)	No, since $7 \neq 10$	A1

END OF PAPER

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