
GCSE Mathematics

Linear Equations

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)	$x = 5$	B1

Q2 Grade 4 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	$3x = 15$	M1
(a)	$x = 5$	A1

Q3 Grade 4 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	$3x = 15$	M1
(a)	$x = 5$	A1

Q4 Grade 5 Edexcel style**Total: 3**

Part	Mark scheme	Marks
(a)	$3x + 6 = 21$	M1
(a)	$3x = 15$	M1
(a)	$x = 5$	A1

Q5 Grade 5 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	$x + 4 = 15$	M1
(a)	$x = 11$	A1

AQA-style questions**Q6** Grade 3 AQA style**Total: 1**

Part	Mark scheme	Marks
(a)	$y = 13$	B1

Q7 Grade 4 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	$4y = 20$	M1
(a)	$y = 5$	A1

Q8 Grade 4 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	$4y = 20$	M1
(a)	$y = 5$	A1

Q9 Grade 5 AQA style**Total: 3**

Part	Mark scheme	Marks
(a)	$4y - 4 = 24$	M1
(a)	$4y = 28$	M1
(a)	$y = 7$	A1

Q10 Grade 5 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	$y - 2 = 12$	M1
(a)	$y = 14$	A1

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

Part	Mark scheme	Marks
(a)	$a = 7$	B1

Q12 Grade 4 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$2a = 8$	M1
(a)	$a = 4$	A1

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

Part	Mark scheme	Marks
(a)	$4a = 20$	M1
(a)	$a = 5$	A1

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

Part	Mark scheme	Marks
(a)	$5a + 15 = 40$	M1
(a)	$5a = 25$	M1
(a)	$a = 5$	A1

Q15 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$a/5 = 5$	M1
(a)	$a = 25$	A1

Teachably-style questions**Q16** Grade 3 Teachably style**Total: 1**

Part	Mark scheme	Marks
(a)	$p = 24$	B1

Q17 Grade 4 Teachably style**Total: 2**

Part	Mark scheme	Marks
(a)	$5p = 25$	M1
(a)	$p = 5$	A1

Q18 Grade 4 Teachably style**Total: 2**

Part	Mark scheme	Marks
(a)	$5p = 25$	M1
(a)	$p = 5$	A1

Q19 Grade 5 Teachably style**Total: 3**

Part	Mark scheme	Marks
(a)	$2p + 14 = 26$	M1
(a)	$2p = 12$	M1
(a)	$p = 6$	A1

Q20 Grade 5 Teachably style**Total: 2**

Part	Mark scheme	Marks
(a)	$p + 6 = 18$	M1
(a)	$p = 12$	A1

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