



**General Certificate of Secondary Education
Practice Paper
Set 4**

Mathematics (Linear) B

Paper 1 Foundation Tier 4365/1F

Mark Scheme

Mark Schemes

Principal Examiners have prepared these mark schemes for practice papers. These mark schemes have not, therefore, been through the normal process of standardising that would take place for live papers.

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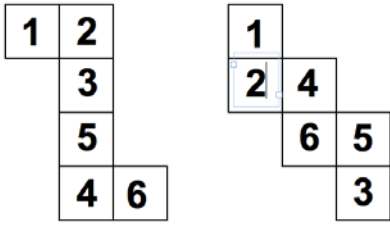
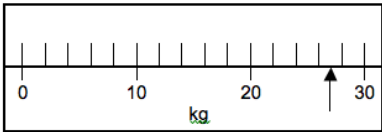
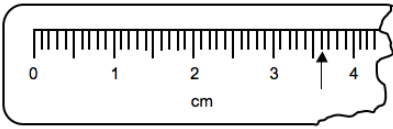
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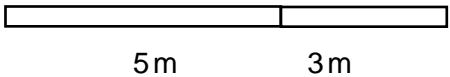
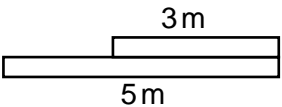
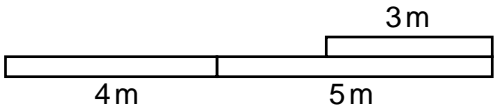
Glossary for Mark Schemes

GCSE examinations are marked in such a way as to award positive achievement wherever possible. Thus, for GCSE Mathematics papers, marks are awarded under various categories.

M	Method marks are awarded for a correct method which could lead to a correct answer.
A	Accuracy marks are awarded when following on from a correct method. It is not necessary to always see the method. This can be implied.
B	Marks awarded independent of method.
Q	Marks awarded for quality of written communication. (QWC)
M Dep	A method mark dependent on a previous method mark being awarded.
B Dep	A mark that can only be awarded if a previous independent mark has been awarded.
ft	Follow through marks. Marks awarded following a mistake in an earlier step.
SC	Special case. Marks awarded within the scheme for a common misinterpretation which has some mathematical worth.
oe	Or equivalent. Accept answers that are equivalent. eg, accept 0.5 as well as $\frac{1}{2}$

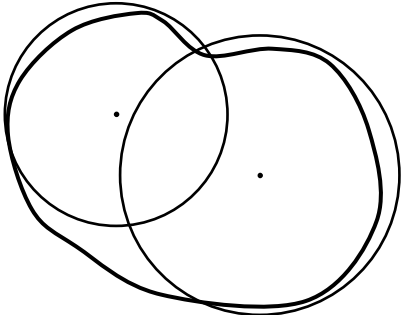
Paper 1 Foundation Tier

Q	Answer	Mark	Comments
1(a)	(1, 2)	B1	
1(b)	Point at (6, 2) or (1, 6)	B1	
2(a)	206	B1	
2(b)	54	B1	
3(a)	Rectangle	B1	
3(b)	20	B1	
4(a)	1.80	B1	
	5.30	B1ft	ft 1.80 + their 1.80 + 1.70
4(b)	10 – their (a) (4.70 if correct)	Q1ft	Strand (i) Must be correct money notation £ <i>a.bc</i> p is Q0
5		B3	2 and 5 in second net can be interchanged, B2 At least 3 faces correct B1 One or two faces correct
6(a)		B1	
6(b)		B1	

Q	Answer	Mark	Comments
7	$\frac{1}{4} = 250\text{ml}$	B1	1500 or 1250 seen Any equivalent fraction to ml seen
	$1\frac{1}{2}$ or $1\frac{1}{4}$ seen or 6 cups seen	B1	
	Yes with $1\frac{1}{2}$ compared to $1\frac{1}{4}$	Q1	Strand (ii) Yes with 1250 ml compared to 1375 ml Yes with 6 compared to 5
8(a)	Correct triangle with any orientation	B1	
8(b)	Correct triangle with any orientation	B1	
9(a)		B1	Allow 4 + 4
9(b)		B1	
9(c)		B1	
10(a)	2	B1	
10(b)	9	B1	
10(c)	Any two valid comparisons	B2	For example: No houses with no TVs in 2011 Many more TVs in 2011 Mode is 1 in 1991 B1 each
11	T, T, F, F	B4	B1 each

Q	Answer	Mark	Comments
12(a)	6	B1	
12(b)	4×6 or $4 \times$ their h	M1	
	24	A1 ft	ft Their h
12(c)	8×30 or $4 \times 10 \times$ their h or $24 \times$ their (b) $2 \times 2 \times 2$	M1	$10 \times 4 \times$ their $h \div (5 \times 2 \times 3)$
	8	A1 ft	ft Their h or their (b)
13	$7 + 11 + 12 + 17 + 19 + 21 + 23 + 28$ $+ 29 + 33$	M1	Must show intention to add all values
	Their total $\div 10$	M1	$200 \div 10$
	20	A1	
14	C, A, B	B3	B1 each
15(a)	2 hours 55 minutes	B1	
15(b)	14:25, 14:45 or 14:30 seen	B1	
	11:15 or 11:05	B1	
	Justification for choice, for example 14:10 (13:55) is before 14:25 or 13:55 allows 65 minutes which is more than 25 minutes	Q1	Strand (iii)
15(b) Alt	14:15 seen	B1	
	11:05	B1	
	Justification for choice, for example 14:10 is before 14:25 or 14:45 is before 3 pm	Q1	Strand (iii)
16	9 and 16	M1	
	5	A1	
17	$25 + 30 \times 3$	M1	
	115	A1	

Q	Answer	Mark	Comments
18(a)	$5x - 15$	B1	
18(b)	$3(y - 4)$	B1	
18(c)	$6w + 4 + 15w - 3$	M1	Allow one arithmetic error
	$21w + 1$	A1	
19(a)	10×11 or $5 \times [22 \text{ to } 23]$	M1	Any value read from graph and multiplied by the correct coefficient
	[110 to 115]	A1	
19(b)	$100 \div 10 (= 10)$	M1	
	Line on graph from their 10	M1	
	[22 to 23]	A1	
20(a)	432	B1	
20(b)	888	B1	
20(c)	240	B1	
21(a)	Correct plots	B2	B1 3 or 4 correct
21(b)	Negative	B1	
21(c)	'the less time revising and more TV watching means lower marks' or 'the data is not about revising so does not support the headteacher's view'	B1	oe
21(d)	LOBF and line (or mark) from 60	M1	
	1.25	A1ft	ft Their line

Q	Answer	Mark	Comments
22	Circle drawn with radius 4cm centre A	B1	
	Circle drawn with radius 5cm centre B	B1	
	No as some areas on island not covered by circles 	B1	