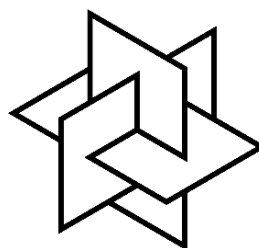

CE AT 13+

MATHEMATICS



ISEB
Independent Schools
Examinations Board

Foundation Calculator Specimen Paper Mark Scheme

Date

Information

This is a suggested, not prescriptive, mark scheme.

Full marks should not be awarded to answers unsupported by necessary working.

Marks should be deducted for mathematically incorrect working.

A maximum of 1 mark per question should be deducted for incorrect/missing units up to a maximum of 3 marks per paper. (Excluding explicit units questions.)

A maximum of 1 mark per question should be deducted for incorrect rounding up to a maximum of 3 marks per paper (excluding explicit rounding questions.)

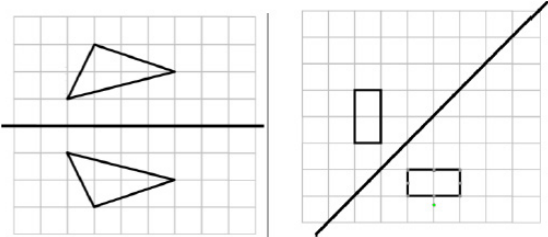
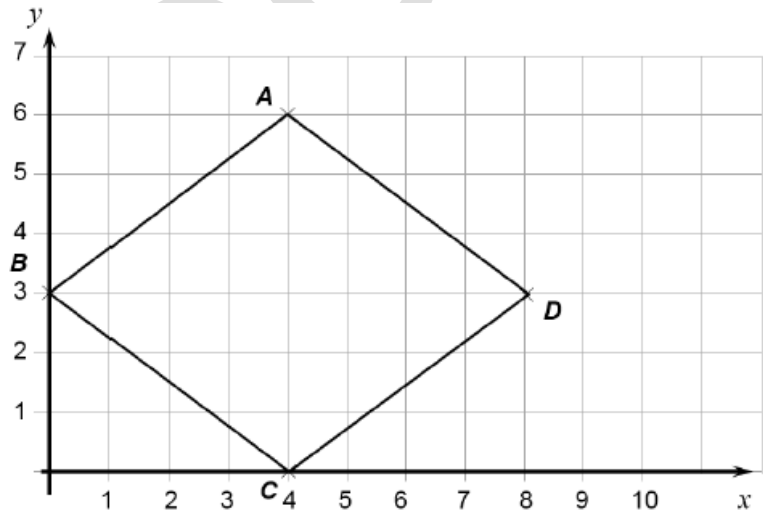
Credit should be given for good attempts and ideas.

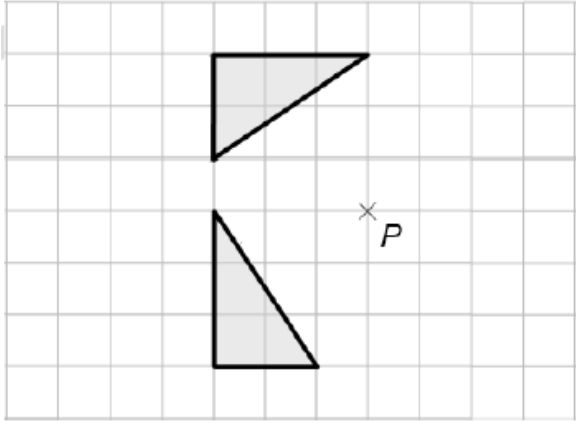
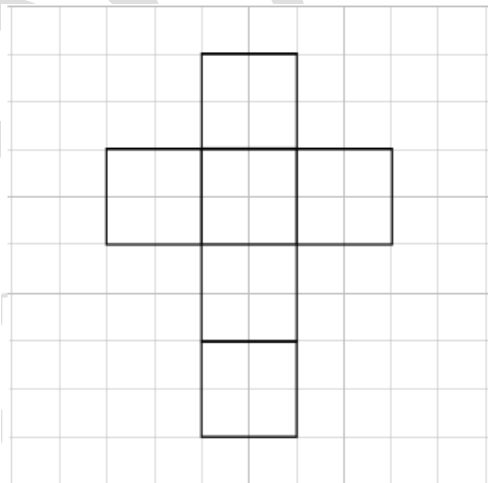
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FOUNDATION MATHEMATICS: CALCULATOR

Q.	Answer	Mark	Additional Guidance
1. a)	79	2	A: 2
b)	39.69		
2. a)	i) 7, 14, 21, 28, 35 ii) 1, 4, 9, 16, 25 iii) 2, 4, 6, 8, 10	6	A: 6 2 marks each
b)	1, 2, 4, 5, 10, 20	2	A: 2
c)		2	A: 2
3. a)	42.6	2	A: 2
b)	9.3		
4.		2	A: 2 1 mark for accuracy
5. a)	6 000 g	4	A: 4
b)	4.5 m		
c)	700 p		
d)	60 minutes		
6. a)	30 kg	3	A: 3
b)	12 m		
c)	35 m ²		
7.	43.8 cm	3	M: 1 A: 2 must have units
8.	$a = 3.4$ $b = 3.75$ $c = 4.08$	3	A: 3
9.	£420	3	M: 1 A: 2 must have units
10.	54 cm ³	3	M: 1 A: 2 must have units

Q.	Answer	Mark	Additional Guidance
11. a) b) c) d) e) f)	a^2 $2a$ cd $10a$ $9m$ $20m^2$	6	A: 6
12. a) b) c) d)	13 -16 4 15	7	M: 3 A: 4
13.		4	A: 4 2 marks for pencil ruler accuracy
14.	equilateral triangle square parallelogram	4	A: 4 1 mark can be awarded for spelling
15.	£3.96	3	A: 3
16.			
	i) A , B and C plotted and labelled	3	A: 3
	ii) rhombus drawn and D labelled	2	A: 2

Q.	Answer	Mark	Additional Guidance
17.		3	A: 3 1 mark for pencil ruler accuracy
18.	$\frac{2}{5}$	3	M: 2 A: 1
19.	126 miles	3	M: 2 A: 1 must have units
20. a)	$10 - (2 + 3) = 5$	2	A: 2
b)	$(3 + 2) \times (3 + 1) = 20$		
21. a)	5	1	A: 1
b)	24	2	M: 2 A: 1
22. a)	9.6 cm	2	A: 2 1 mark for accuracy
b)	96 mm	1	A: 1
23. a)	40°	2	A: 2 1 mark for accuracy
b)	acute	1	A: 1
24.		4	A: 4 any correct net 1 mark for pencil ruler accuracy

Q.	Answer	Mark	Additional Guidance
25. a)	26.8 feet	4	M: 2
b)	3 m		A: 2
26.	21	4	M: 3 A: 1
27.	100 cm ²	4	M: 3 A: 1
Total		100	