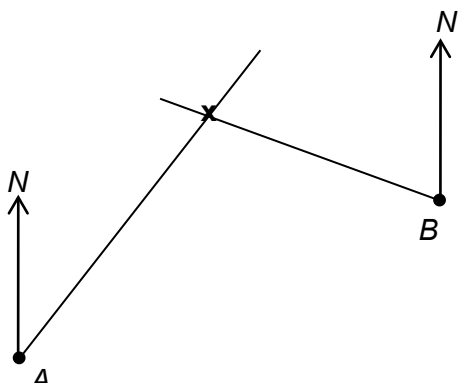
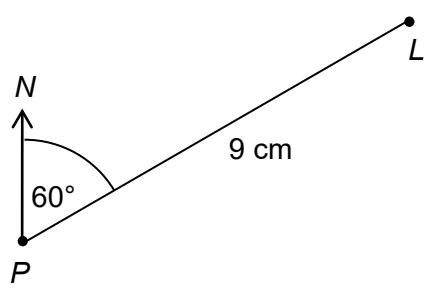


Topic Test 1 Mark Scheme

Scale diagrams and bearings - Foundation

Q	Answer	Mark	Comments
1	124°	B1	
2(a)	Market	B1	
2(b)	[078, 082]	B2	B1 [78, 82] SC1 [258, 262]
3	[1.4, 1.6] or [5.9, 6.1] or total height = [3.6, 4.4] times height of base	B1	
	0.5 × their [5.9, 6.1] ÷ their [1.4, 1.6] or 0.5 × their [3.6, 4.4]	M1	oe
	[1.8, 2.2]	A1	
4(a)	Line drawn on bearing [037°, 039°] from A	B1	
4(b)	Line drawn on bearing [289°, 291°] from B	B1	
	Marks intersection of two bearings 	B1ft	At least one bearing accurately drawn

Q	Answer	Mark	Comments
5	290°	B1	
6	2.54 cm represents 1.6 km seen or implied or 1.6 ÷ 2.54	M1	oe
	0.6299...	A1	
7(a)		B2	B1 Line $PL = 9$ cm drawn or Angle = 60° drawn in correct position Allow [8.9, 9.1] and [59°, 61°]
7(b)	240°	B1	
8	[9, 9.5]	B1	
	their [9, 9.5] × 150 000 ÷ 100 ÷ 1000 or [13.5, 14.25]	M1	
	their [13.5, 14.25] ÷ 6	M1	
	[2.25, 2.375]	A1ft	[2 hours 15 minutes, 2 hours 22.5 minutes]