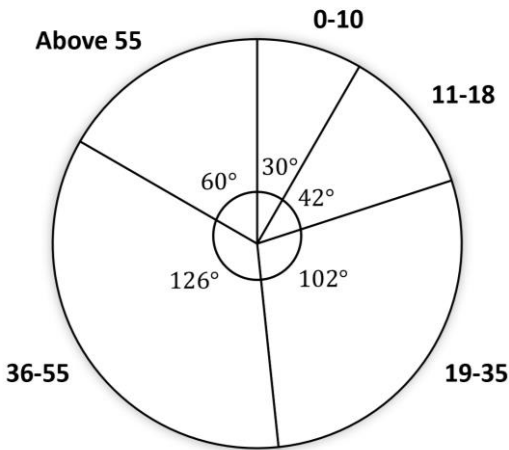
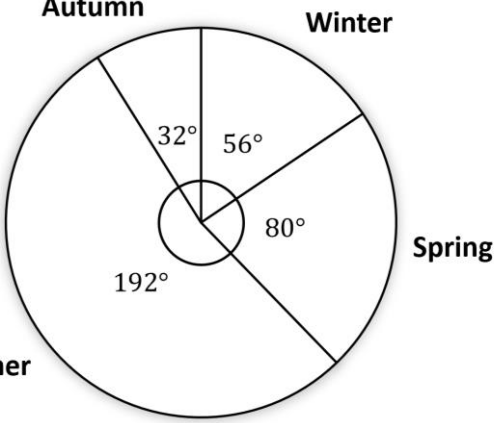


Pie Charts L1 Mark Scheme																							
1(a)	P.E.	[1]																					
1(b)	$60 \div 360$	[1]																					
	$\frac{1}{6}$	[1]																					
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3(b)	189°	[1]																					
3(c)	$36 \div 360$ or $360 \div 36$	[1]																					
	$\frac{1}{10}$	[1]																					
3(d)	$\frac{72}{360} \times 40$	[1]																					
	8	[1]																					

4	Total number of guests: $5 + 7 + 17 + 21 + 10 = 60$	[1]
	<p>Angle for each age group:</p> <p>0 – 10: $5 \div 60 \times 360 = 30^\circ$ 11 – 18: $7 \div 60 \times 360 = 42^\circ$ 19 – 35: $17 \div 60 \times 360 = 102^\circ$ 36 – 55: $21 \div 60 \times 360 = 126^\circ$ Above 55: $10 \div 60 \times 360 = 60^\circ$</p>	[1]
		
	Accurate pie chart	[2]
5(a)	Food and Drink	[1]
5(b)	$\frac{66}{360} \times 100$	[1]
	18.3%	[1]
5(c)	$360 - 150 - 120 - 66 (= 24)$	[1]
	$\frac{24}{360} \times 120$	[1]
	£8	[1]

6	Total number of people: $14 + 20 + 48 + 8 = 90$	[1]
	<p>Angle for each season:</p> <p>Winter: $14 \div 90 \times 360 = 56^\circ$ Spring: $20 \div 90 \times 360 = 80^\circ$ Summer: $48 \div 90 \times 360 = 192^\circ$ Autumn: $8 \div 90 \times 360 = 32^\circ$</p>	[1]
	 <p>The pie chart is divided into four segments representing seasons. The largest segment is Summer, labeled 'Summer' and '192°'. Moving clockwise from Summer, the next segment is Spring, labeled 'Spring' and '80°'. The next segment is Winter, labeled 'Winter' and '56°'. The smallest segment is Autumn, labeled 'Autumn' and '32°'. The segments are separated by lines that meet at the center of the circle.</p>	
	Accurate pie chart	[2]