

Q1. The table gives information about the number of goals scored by a football team in each match last season.

Number of goals	Frequency
0	4
1	5
2	4
3	7
4	4

(a) Write down the modal number of goals scored.

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(1)

(b) Work out the total number of goals scored by the team last season.

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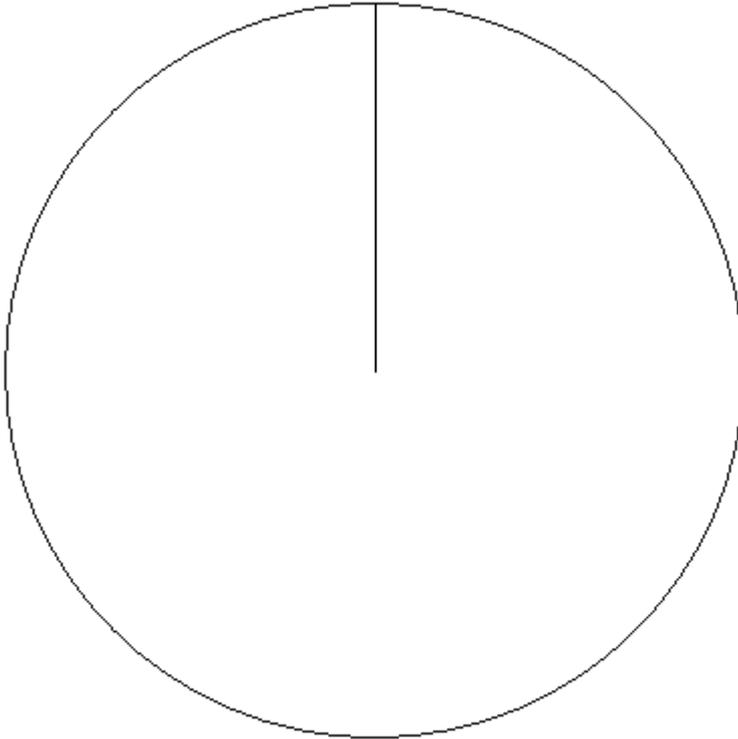
(2)

The table below gives information about the results of the matches played by the football team.

Result	Frequency
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Won	10
Drew	6
Lost	8

(c) Draw an accurate pie chart to show this information.



(3)
(Total 6 marks)

M1.

	Working	Answer	Mark	Additional Guidance
(a)		3	1	B1 cao
(b)	$0 \times 4 + 1 \times 5 + 2 \times 4 + 3 \times 7 + 4 \times 4 = 50$	50	2	M1 for fx calculated (could be implied by at least 2 correct) A1 cao
(c)	$360^\circ \div 24 = 15$ Sector angles: W=150; D=90; L=120	Angles drawn, labelled	3	M1 for $360 \div 24$ or 15 seen or one angle correct in pie chart ($\pm 2^\circ$), ignore all labels, or one correct angle in the table A1 for any two angles correct in pie chart. Ignore labels A1 for fully correct and labelled pie chart All angles $\pm 2^\circ$
Total for Question: 6 marks				

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This was not well answered. In part (a) many candidates gave 4 as the modal number of goals scored, possibly reading the modal frequency. In part (b) many candidates added the figures from a column, this could have been the number of goals column, giving a common incorrect answer of 10 or the frequencies column giving an incorrect total of 24. When candidates realised that they should multiply the number of goals scored by the frequencies errors still occurred in the arithmetic with $440 = \times$ and $1244 = \times$ being seen often. The pie chart was again poorly answered. Whilst some candidates could calculate the angles required, they could not draw them accurately. Too few candidates showed working out for this question.