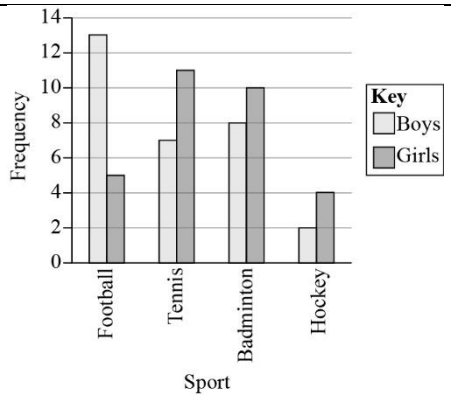
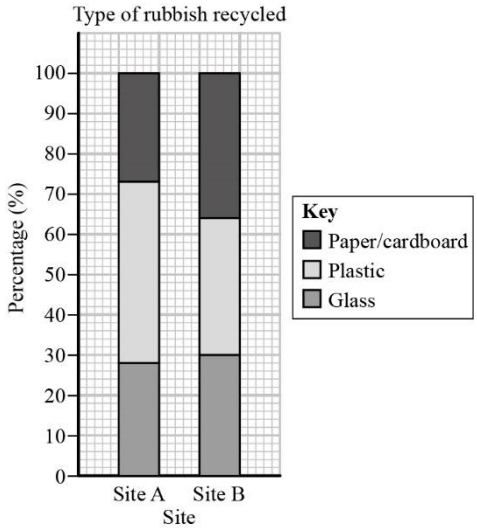
The following marks are awarded for each question.

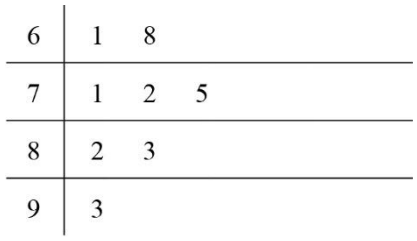
B	Unconditional accuracy mark
M	Method mark – the correct method must be shown but there may be an arithmetic error; the sight of the value given in brackets implies the award of the method mark
A	Accuracy mark – unless the question specifies that working **must** be shown then the sight of the correct answer implies the award of full marks (unless the answer clearly comes from incorrect working)
C	Communication mark
P	Process mark to show correct process for problem solving. Any other process of a similar standard to achieve an accurate result is acceptable to achieve this mark
FT	Incorrect values may be **followed through** from one step to the next **provided** that the correct method is seen in each step and the only errors are arithmetic. This is shown in mark schemes by putting a number in inverted commas
OE	Or equivalent answer mark

Q	Answer	Mark	Comment
1a	Walk	B1	
1b	6	B1	
1c	26	M1	3 + 5 + 6 + 11 + 1 or for adding five frequencies, allow one misread error, e.g. 3 + 5 + 6 + 10 + 1, or allow one omitted frequency, e.g. 3 + 5 + 6 + 11
		A1	

3	Fully correct diagram or chart with both axes correctly scaled and labelled, e.g.	B4	B1 for a key or suitable labels to identify boys and girls; B1 for four correct sports labels or a linear scale; B1 diagram or chart (combined or separate), correctly showing data for at least three sports; B1 fully correct

			
5a	24	B1	
5b	16	B1	

7a	27 (%), 45(%) and 28 (%)	B3	B3 for all three correct; B2 for either two correct or one correct and a total of 100%; B1 for one correct and a total not 100%
7b		B2	B1 for one correct section; accept any shading as long as the intention is clear
9	(17) **13** (23) (53) **17** (8) **22** **47** **34** **21** (45) (100)	B3	B3 fully correct table; B2 for four or five correct; B1 for two or three correct

11a		B3	B1 for correct stem; B1 for correct leaves; B1 for key
b	Amy's by 51	B1	
13a	(30, 60)	B1	
13b	Positive (correlation)	C1	
13c	Line of best fit drawn Mark in the range 44 to 52	M1 A1	for an appropriate line of best fit drawn, or a point marked at (46, x) or a horizontal line drawn from 46 across to (46, x) where x is in the range 44 to 52 marks given in the range 44 to 52
13d	Yes with explanation, e.g. as the majority of points for high marks on paper 2 appear when there are higher marks for paper 1 (positive correlation)	C1	

Question	Topic	Step	Mark
1a	Extract data and interpret discrete bar charts	3rd	1
1b	Extract data and interpret discrete bar charts	3rd	1
1c	Extract data and interpret discrete bar charts	3rd	2
3	Produce bar charts including dual bar charts	3rd	4
5a	Extract data and interpret frequency tables	4th	1
5b	Extract data and interpret frequency tables	4th	1
7a	Interpret data from complex compound and comparative bar charts	4th	3
7b	Construct complex bar graphs (e.g. compound bar charts)	5th	2
9	Use information provided to complete a two-way table	4th	3
11a	Draw ordered stem and leaf diagrams	5th	3
11b	Interpret stem and leaf diagrams	5th	1
13a	Identify and explain anomalies (outliers) on a scatter graph	6th	1
13b	Describe correlation by inspection: strong or weak; positive, negative or zero	7th	1
13c	Draw a line of best fit by eye and understand what they represent	7th	2
13d	Interpret scatter graphs in terms of the relationship between two variables	7th	1