Paper 1MA1: 2F				
Question	**Working**	**Answer**	**Mark**	**Notes**
3 (a)		Walk	B1	cao
(b)		7 on chart	B1	for bar of height 7 drawn for girls walking
Q1 (c)		4	B1	cao
(d)		96	M1	for method to find number of Year 6 students in the survey e.g. 5 + 9 + 6 + 4 + 9 + 7 + 4 + 1 + 2 + 1 (= 48) or 14 + 10 + 16 + 5 + 3 (= 48)
			A1	for 96 or ft from (b), eg 82 if no bar in (b)

Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
12 (a)	100	B1	for answer in the range 95 to 100	
(b)	660	M1	for reading at least 3 of the required figures from the graph eg 3 of "100", 260, 120, 340, 160, 440 **OR** for 260 – "100" (= 160) **or** 340 – 120 (= 220) **or** 440 – 160 (= 280) **OR** for"100" + 60 (= 160) **or** 80 + 100 + 40 (= 220) **or** 40 + 100 + 100 + 40 (= 280)	Figures may be seen on graph
		M1	(dep) for adding their 3 differences eg "160" + "220" + "280"	
Q2		A1	for 660 or ft their answer to part (a)	
(c)	Tablets	B1	Tablets	
	and statement	C1	Statement eg the bars get proportionally longer over time (most in 2017 and least in 2015) **or** they (more than) double each year **or** for an increase of 280 **or** numbers range from 60 to 340	Values quoted for tablets must be correct. Ignore any calculations relating to laptops and/or desktop computers whether correct or not. Award previous mark if "tablets" is not specifically stated but can be implied from statement.
(d)	Statement (supported)	C1	for statement, eg (No because) we do not know costs or prices or profit.	Answer of 'Yes' gets C0 Answer of 'No' without justification gets C0

Paper: 1MA1/3F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
9 (a)	Correct frequencies 8, 3, 5, 2	B2	all frequencies correct	Correct tallies alone scores B1 Correct frequencies with no tallies scores B2
		(B1	Starts to work with tallies, eg 2 tallies fully correct, or 2 frequencies fully correct)	Tallies need not be crossed
(b)	Bar chart	M1	for labelling pet names on the horizontal axis or bars **OR** a linear scale on the vertical axis.	Accept unambiguous abbreviations for labels, eg D, R, C, H Horizontal axis does not need "pet" label
		M1	for at least two correct bars ft their table in (a)	Condone bars of unequal width Condone no gaps or inconsistent gaps Bars must be unambiguously correct for their scale
Q3		A1	for a fully correct bar graph ft from their frequencies or tallies in (a).	All four bars must be correct with labels, ft, to award this mark. Vertical axis must have a suitable label, accept unambiguous abbreviations, eg freq or number Condone no gaps, or inconsistent gaps. Condone bars of unequal width Horizontal axis does not need "pet" label
(c)	dog	B1	cao or ft from frequencies in (a) **or** chart in (b)	Mark to the benefit of the candidate if table and graph are different.

Paper: 1MA1/3F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
6 (a)	5	B1	cao	
Q4 (b)	5, 6	B1	cao	

Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
8 **Q5**	Error identified	C1	error correctly identified **Acceptable examples** bar for brown is too high 16 should be 15 brown needs to be one less brown is wrong the graph does not match the table **Not acceptable examples** no title the gaps between the bars are wrong	

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
7 **Q6**	Two reasons	C2 (C1	for two correct reasons for one correct reason) **Acceptable examples** No label for mark The vertical axis jumps from 0 to 71 The bars are not all the same width Toms bar is twice as wide as the others No axes Toms bar should not take up 4 squares Toms bar shaded 2 not 1 block Tom has 2 bars shaded but the others only have one bar shaded It is not labelled Tom has gone over 2 squares Toms bar is bigger than the others Toms bar is not correct The numbering is not correct **Not acceptable examples** There is no title Different sized gaps between the bars The bars are not symmetrical The bars are not the same size	Allow if one reason is fully correct and the other reason is not. For column accept strip, bar, block, line, cubes in an unambiguous explanation

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
8 **Q7**	7	P1 P1 A1	for 6 + 4 + 5 + 8 + 7 + 5 (= 35) for "35" ÷ 5 cao	Working may be seen on the diagram Allow one error in the 6 readings; intention to add must be clear.

Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
13 (a)	60	B1	cao	May be seen on diagram
(b)	50	B1	cao	May be seen on diagram
(c) **Q8**	80 : 200	P1 A1	for process to **use** the number of children, 80 or the total number of men and women, 200 in a ratio **or** for $\frac{80}{200}$ for 80 : 200 oe	 Award for a correct ratio even if subsequently incorrectly simplified.

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
9 **Q9**	Chart	B1 M1 A1	for correct day labels or a linear scale for correct bars showing information for at least 3 days for a fully correct bar chart	Accept key in place of labels Condone bars of varying widths Condone no gaps or inconsistent gaps Labels of Day and Frequency not essential

Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
8 (a)	Completed bar chart	B2 (B1	for a fully correct bar chart for one bar correct eg May plotted at 35 **or** June plotted at 20 **OR** May plotted at 20 **and** June plotted at 35)	Condone bars of unequal width Condone no gaps or inconsistent gaps
(b) **Q10**	Explanation	C1	**Acceptable examples** Half a square is worth 2.5 (not 0.5) It goes to 17.5 Halfway between 15 and 20 is not 15.5 It is between 17 and 18 It could/would be 17 or 18 It goes up in 5s (not 1s) **Not acceptable examples** The bar is in the middle It could/would be 16 (or 19 or 15.6) You can't have half a cm of rain The answer would be a whole number	