

Question	Answer	Mark	Mark scheme	Additional guidance
15 (a)	9.9	M1	for starting process by multiplying ages by frequencies, with at least 3 correct, eg $8 \times 6, 9 \times 7, 10 \times 15, 11 \times 11, 12 \times 2$ <b>or</b> at least 3 of 48, 63, 150, 121, 24	May be seen next to table. 406 implies this mark
		M1	(dep on M1) for $\sum fx \div \sum f$ , eg $406 \div 41$ <b>or</b> $406 \div (6 + 7 + 15 + 11 + 2)$ <b>or</b> $(8 \times 6 + 9 \times 7 + 10 \times 15 + 11 \times 11 + 12 \times 2) \div 41$	$\sum fx$ must come from 5 products
		A1	Answer in the range 9.9 to 9.91	If an answer is given in the range in working and then rounded incorrectly award full marks.
(b)	No, with explanation	C1	No, with explanation,  <b>Acceptable examples</b> No as the mode/modal age is 10 No it should be 10 (not 15) No because 15 is the number of children that are age 10 (not age 15) No because there are no 15 year olds No because the frequency tells us the number of children for that age No he needs to give the age of the highest frequency  <b>Not acceptable examples</b> No he is not, the modal is the one that occurs the most Yes / Rohan is correct .... No, the mode is 11	