Question		Working	Answer	Mark	Notes
22	(a)	9 ÷ 15 (=0.6) **or** a correct value on the FD scale **or** 10 small squares = 1 apple oe **or** 25 small squares (1 large square) = 9 ÷ 3.6 = 2.5 apple oe **or** 29 or 21 or 17		3	M1 for use of area to represent frequency **or** one correct frequency from the 3 additional bars needed, may be seen written on the bar
		9 + 10 × 2.9 + 5 × 4.2 + 5 × 3.4 **or** 9 + 29 + 21 + 17 **or** 9 + 0.1 × (10 × 29 + 5 × 42 + 5 × 34) **or** (90 + 290 + 210 + 170) × 0.1 **or** (3.6 + 11.6 + 8.4 + 6.8) × 2.5			M1 (dep on M1) for a fully correct method, allow one error in products or number of squares but must be the sum of 4 parts
		Correct answer scores full marks (unless from obvious incorrect working)	76		A1
	(b)	$\frac{15}{12+25+15}$ **or** $\frac{150}{120+250+150}$ **or** $\frac{6}{4.8+10+6}$ oe		2	M1 method to find correct probability or an answer of $\frac{n}{52}$ where $n < 52$ **or** $\frac{15}{m}$ where $m > 15$ **or** $\frac{p}{520}$ where $p < 520$ **or** $\frac{150}{q}$ where $q > 150$ **or** $\frac{r}{20.8}$ where $r < 20.8$ **or** $\frac{6}{s}$ where $s > 6$
		Correct answer scores full marks (unless from obvious incorrect working)	$\frac{15}{52}$		A1 oe accept 0.28(846…) or 28(.8…)% rounded or truncated
					Total 5 marks