

5	(a)	C: cycles B: catches bus R: raining NR :not raining	M1 A1 A1 [3]	1.1 1.1 1.1	correct structure outcomes correct probabilities correct Key not required accept NC: does not cycle	Accept variations on labelling if meaning clear
5	(b)	0.2×0.4 or 0.8×0.9 $0.2 \times 0.4 + 0.8 \times 0.9$ 0.8 cao	M1 A1 A1 [3]	3.1b 1.1 1.1	Ft (a) Ft (a) Accept $\frac{4}{5}$ or 80%	Accept fractions Working may be on diagram in (a)
5	(c)	$(\text{their } 0.8)^5$ 0.328 or 0.3277 or 0.32768	M1 A1 [2]	2.1 1.1	$\frac{1024}{3125}$; accept 0.33; accept as percentage	