mathsgenie.co.uk Please do not v		rite on this sheet	mathsgenie.co.uk	
1 T T (4 (1) 2 F b 7 T T (4) (4) (1)	Fina has two bags of count There are 5 red counters and There are 4 red counters and Tina takes at random a counce a) Draw a probability tree b) Work out the probability Hannah is going to play or backgammon. The probability she will we the probability she will we a) Draw a probability tree b) Work out the probability b) Work out the probability tree b) Work out the probability	ters, Bag A and Bag B. and 3 blue counters in bag A. and 5 blue counters in bag B. anter from each bag. te to represent this information (2) ty that Tina takes two blue counters. (2) (Total for question 1 is 4 marks) are game of chess and one game of in the game of chess is 0.6 in the game of backgammon is 0.7. te to represent this information (2) ty that Hannah will win both games. (2) (Total for question 2 is 4 marks)	 3 Rachel has two bags. In the first bag there are 4 red balls In the second bag there are 3 red bas Rachel takes at random a ball from She then takes at random a ball from (a) Draw a probability tree to repre- (b) Work out the probability that F 4 Jo is going to play one tennis match The probability she will win the ter The probability she will win the sequence (a) Draw a probability tree to repre- (b) Work out the probability that Jo 	and 6 green balls. Ills and 5 green balls. the first bag. in the second bag. esent this information (2) cachel takes two green balls. (2) (Total for question 3 is 4 marks) in and match of squash. and match is $\frac{4}{5}$ uash match is $\frac{7}{10}$ esent this information (2) in will win both matches. (2) (Total for question 4 is 4 marks)
	Grade 5 Probab		lity Trees	Grade 5

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6	Each day Paul wears eithe On any day the probabilit (a) Draw a probability tre (b) Work out the probabil Monday and Tuesday . Jon plays a game where h The probability Jon wins The probability Jon draw Jon plays two games. (a) Draw a probability tre (b) Work out the probabil	er a black tie or a red tie to work. y he wears a black tie is $\frac{5}{9}$ ee for Monday and Tuesday. (2) (2) (10) (10) (10) (10) (2) (10) (10) (10) (10) (10) (2) (10) (10) (10) (10) (2) (10) (10) (2) (10)	 7 Bradley gets the bus on Saturday and The probability that Bradley's bus w (a) Draw a probability tree to repress (b) Work out the probability that Brathese days. 	d Sunday. ill be late on any day is 0.2 ent this information (2) adley's bus is late on at least one of (2) Total for question 7 is 4 marks)
	Grade 5 Probability T		bility Trees	Grade 5