RATHS TEACHER HUB Higher Homework 31 : Probability

1. The table below shows the probabilities of choosing a counter from a bag. The value of green is twice the value of orange. Complete the table. Red Blue Green Orange 0.1 0.3 0.4 0.2 (2 marks) 2. Sam goes to a club. He plays one game of dominos, and one game of darts. The probability of Sam winning at dominoes is 0.6 The probability of Sam winning at Darts is 0.3 (a) Complete the tree diagram. **Dominoes Darts** WIN 0.3 WIN 0.6 0.7 LOSE WIN 0.3 0.4 LOSE 0.7LOSE (2 marks) (b) Work out the probability that Sam looses both games. 0.28 (2 marks) 2. William is going to roll 2 fair six sided dice. He will add the two scores together. Calculate the probability of scoring a total of 10. 1 (3 marks

