RATHS TEACHER HUB Higher Homework 32 : Probability

1. The table below shows the probabilities of choosing a counter from a bag. The value of green is three times the value of orange. Complete the table. Blue Red Green Orange 0.25 0.35 0.3 0.1 (2 marks) 2. Mrs Gregory selects one student from two different classes. The probability of selecting a girl from the first class is 0.4 The probability of selecting a girl from the second class is 0.45 (a) Complete the tree diagram. 1<sup>st</sup> class 2<sup>nd</sup> class Girl 0.45 Girl 0.4 0.55 Boy Girl 0.45 0.6 Boy 0.55 Boy (2 marks) (b) Work out the probability that she selects 2 boys. 0.33 (2 marks) 2. Marcus is going to roll 2 fair six sided dice. He will multiply the two scores together. Calculate the probability of scoring a total of 12. 1 9 (3 marks

