

7 - Stats and Probability - Module 25 - Stats and
Term Experiments - Further Exercises

8) Construct all possible simple events from each of the following random experiments:

a) Selecting a color from the colors of the Union Jack

$$\rightarrow U = \{\text{Red}, \text{White}, \text{Blue}\}$$

$$\{\text{Red}\}, \{\text{White}\}, \{\text{Blue}\} \quad \checkmark$$

b) Selecting a positive integer less than 9

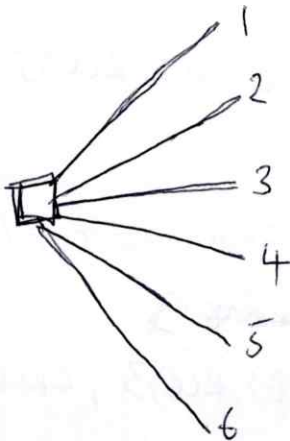
$$U = \{1, 2, 3, 4, 5, 6, 7, 8\}$$

$$\{1\}, \{2\}, \{3\}, \{4\}, \{5\}, \{6\}, \{7\}, \{8\} \quad \checkmark$$

9) Draw an outcomes tree for each of the following random experiments:

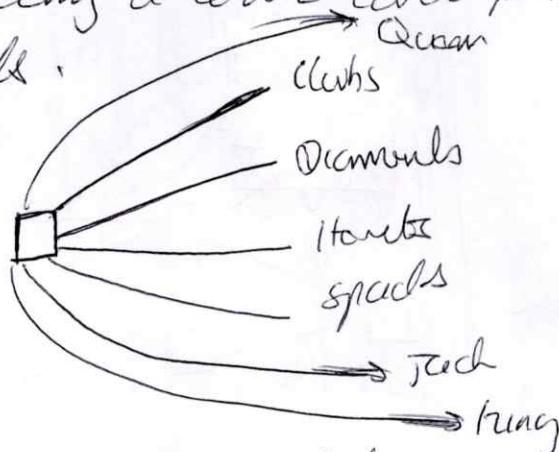
check with Amelia

a) Rolling a six-sided die



check with Amelia

b) Selecting a Court Card from a deck of playing cards.



Note: 16 Court Cards in a deck