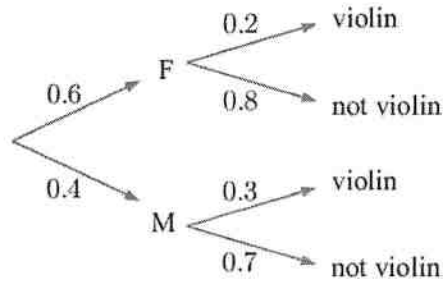


1.

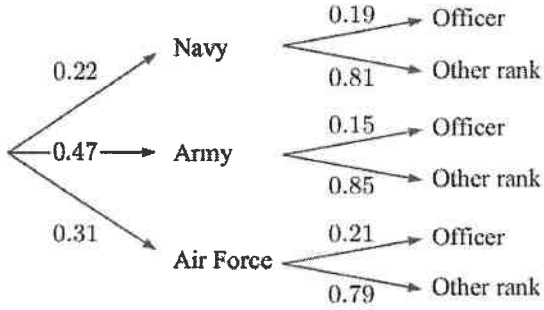
a



b i 0.28
ii 0.24

2.

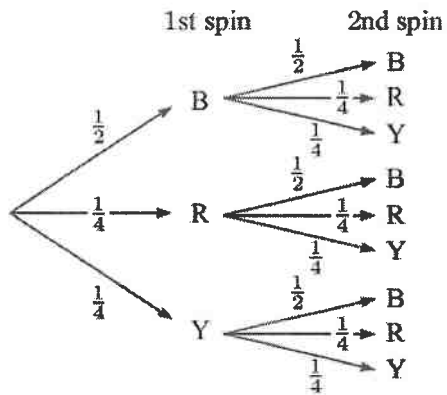
a



b i ≈ 0.177 ii ≈ 0.958 iii ≈ 0.864

3.

a



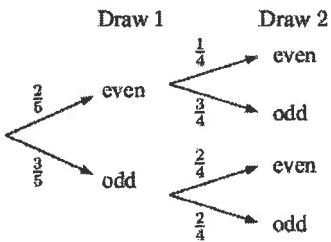
b $\frac{1}{4}$
c $\frac{1}{16}$
d $\frac{5}{8}$
e $\frac{3}{4}$

4.

a $\frac{1}{5}$ **b** $\frac{3}{5}$ **c** $\frac{4}{5}$ **d** $\frac{19}{45}$

5.

a



b i $\frac{3}{10}$
ii $\frac{1}{10}$
iii $\frac{3}{5}$

6.

$$P(\text{HHH}) = \frac{1}{8}$$

7.

a $\frac{20}{49}$ **b** $\frac{10}{21}$