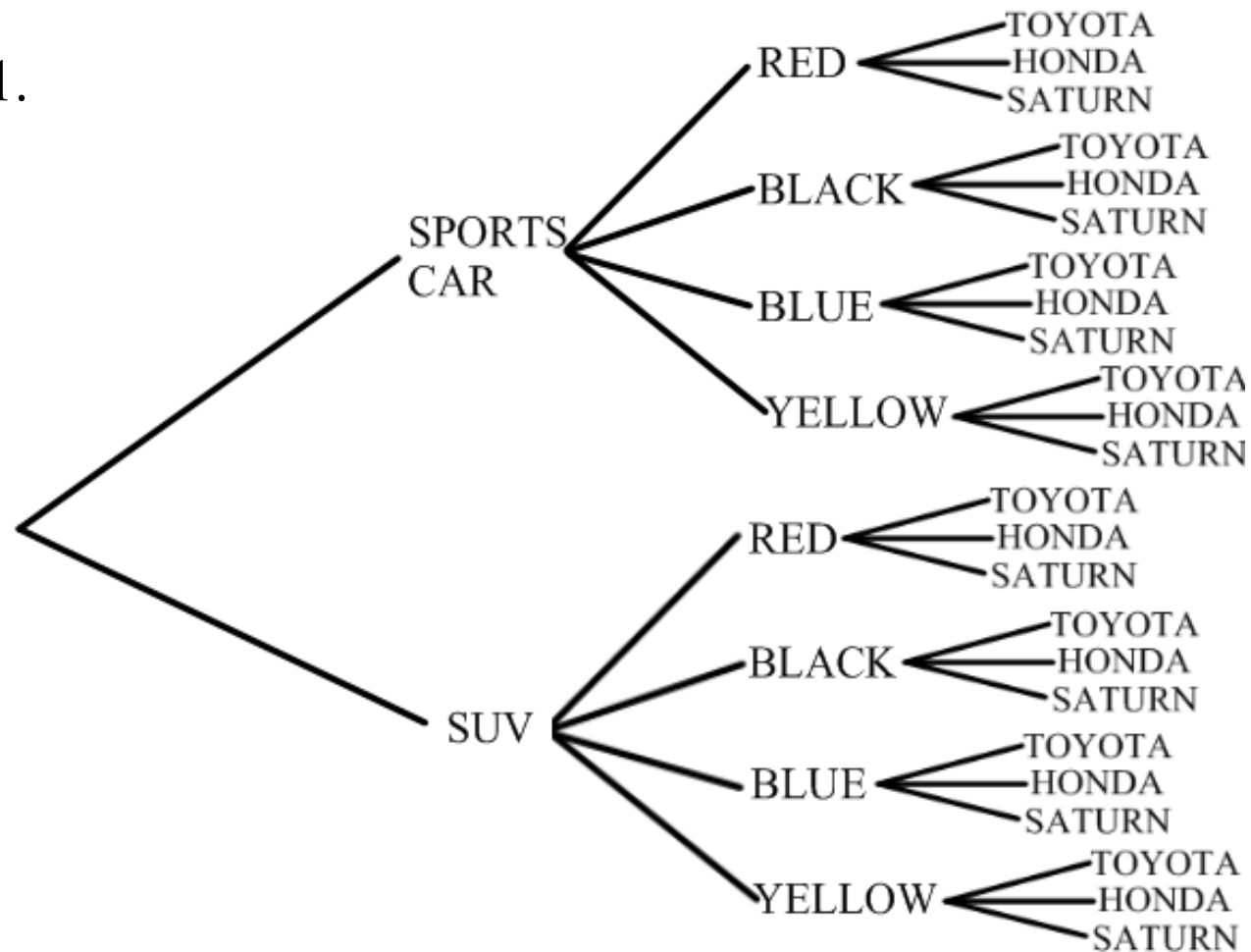


PROBABILITY REVIEW ANSWERS

1.



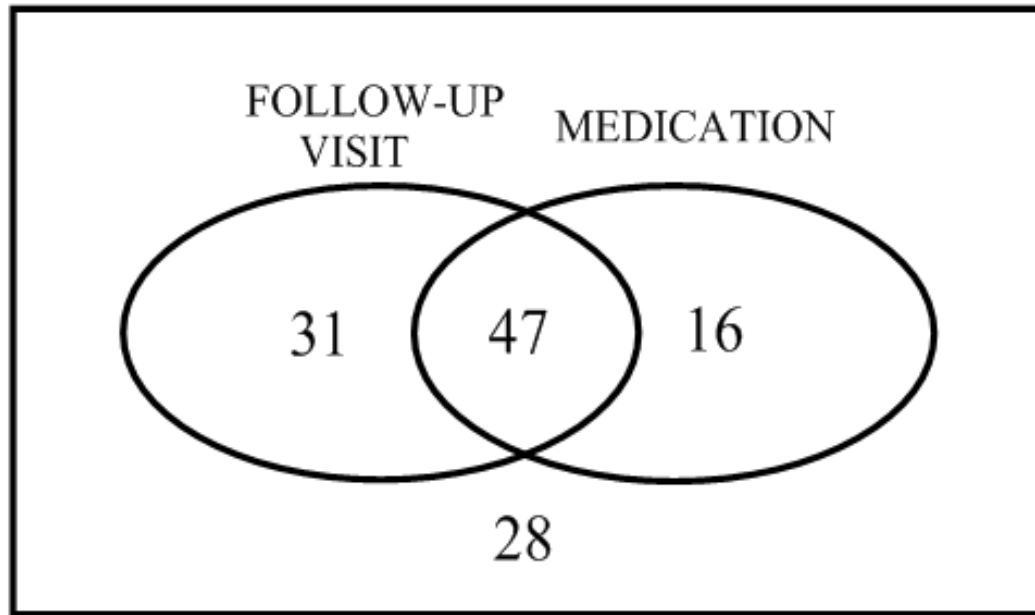
She will be choosing from $2 \times 4 \times 3 = 24$ vehicles.

2 a. 17 576 000

b. 11 232 000

c. 15 600 000

3.



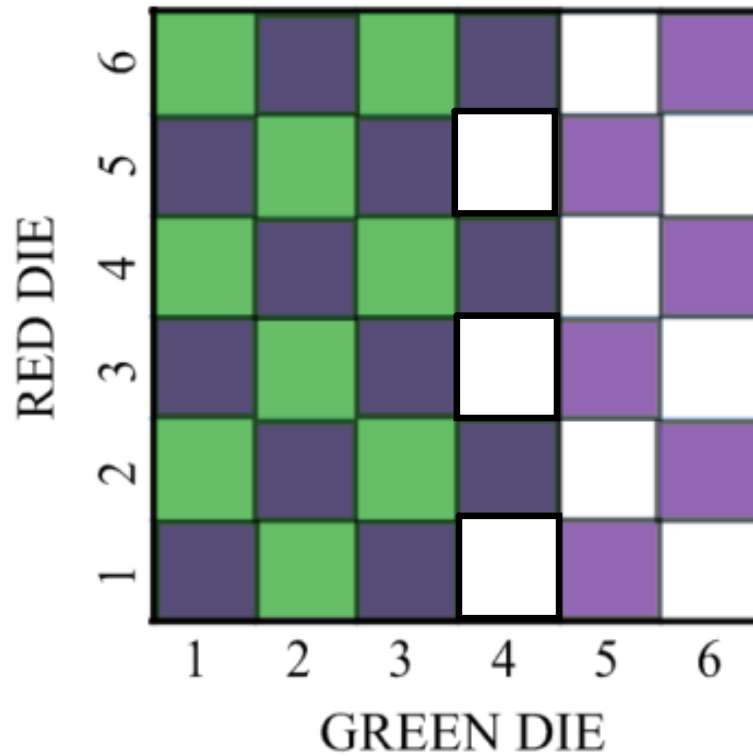
a. $16/122 = 8/61$

b. $28/122 = 14/61$

c. $47/63$

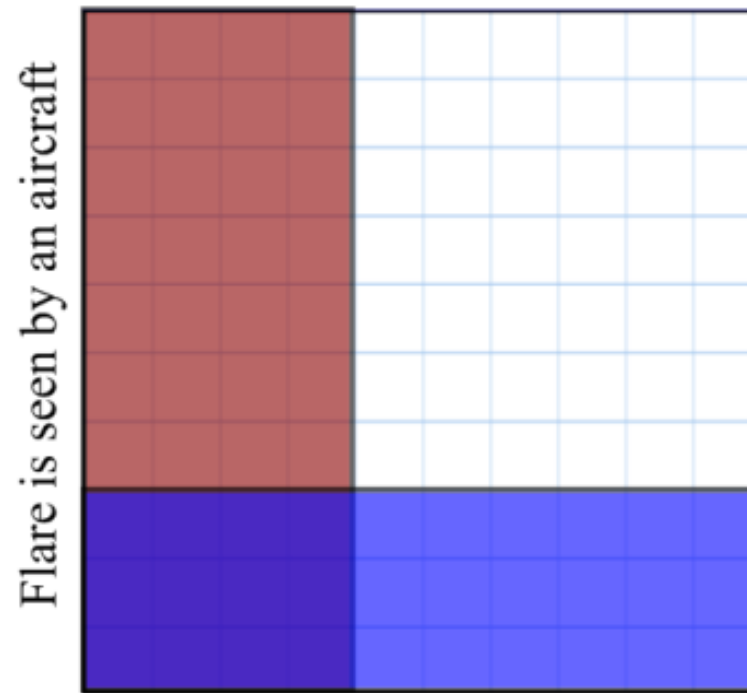
4. $5/13$ 5. $4/9$ 6. $1/221$ 7. $8/27$ 8. $2/3$ 9 a. $1/36$ b. $11/36$ c. $5/12$ d. $11/12$ e. $1/9$ f. $5/9$

10.



a. $9/36 = 1/4$ b. $27/36 = 3/4$ c. $9/18 = 1/2$

11.

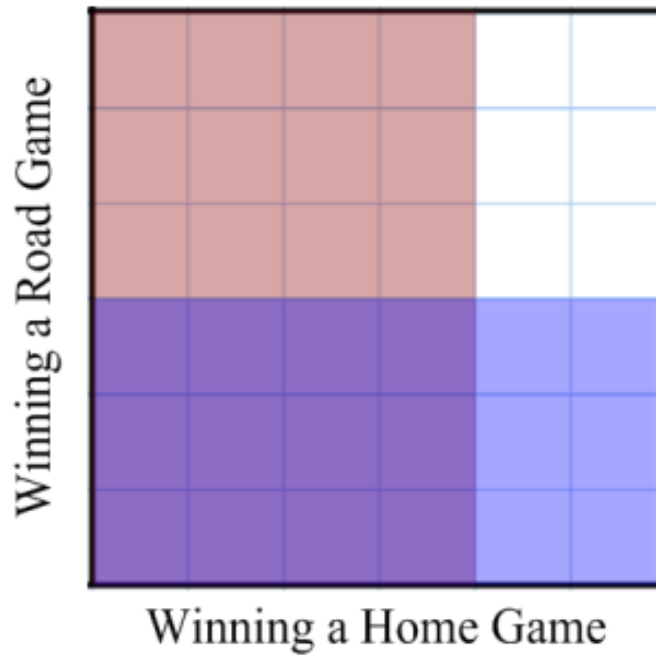


Flare is seen by an aircraft

Flare is seen by a boat

$$P(\text{rescued}) = 58/100 = 29/50$$

12.



a. $12/36 = 1/3$

b. $30/36 = 5/6$

c. $18/36 = 1/2$

d. $6/36 = 1/6$

13 a. $24/43$ b. $17/26$

14 a. $35/100 = 7/20$ b. $27/35$