1. a. .45 ⬜⬜⬜⬜⬜ 1 − .45 = .55 not forested

   b. 0.45 + 0.03 = 0.48, 1 − 0.48 = 0.52 not forest or pasture

   c. 0.52

2. a. 0.55 + 0.45 = 1.00 yes

   b. 0.4 + 0.4 + 0.4 + 0.4 = 1.6 no

   c. 0.1 + 0.2 + 0.2 + 0.1 + 0.1 = 0.9 no

3. 10 people   − No religion 1 or 2

   Muslim = 2 approx

   Non-monotheists − 4 or 5

We can designate a range of #'s to correspond to The probabilities
and then use a simulation to see what #'s we get.

4. $2/10 + 2/10 + 2/10 − 3(4/100) + 3/1000 = .483$

   Simulations will vary.
   My simulation gives 56%
   it's not sense if She failed once, she seems more likely to fail
   next time.

5. a. 300

   b. nothing − because of emphasis, our brain's focus on avoiding loss
   rather than possible gain.

6. $10.20

7. table in Excel.

   b. 218/399   c. 86/399

   d. 48/399

   e. (218 + 86 − 48)/399 = 256/399

   f. $1 − \frac{256}{399} = 143/399$

   g. 48/218   h. 48/86

8. table in Excel.

   b. 307/750

   c. 153/750

   d. 98/750

   e. (307 + 153 − 98)/750 = 362/750

   f. 1 − 362/750 = 388/750

   g. 98/153

   h. 98/307