

3. A federal study of people involved in a fatal crash in 1990 yielded the following data: 49% of all those involved in a fatal crash wore seat belts. Of those in a fatal crash who wore seat belts, 44% were injured, 27% were killed, and the rest were unharmed. For those not wearing seat belts, 41% were injured, 50% were killed, and the rest were unharmed.
- (a) Draw a probability tree illustrating this situation.

 - (b) Find the probability that a randomly selected person from this study was wearing a seat belt and was unharmed.

 - (c) Find the probability that a randomly selected person from this study was not wearing a seat belt and was unharmed.

 - (d) Find the probability that a randomly selected person from this study was unharmed.

 - (e) Find the probability that a randomly selected person from this study was killed.