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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Fred’s Surfboard Shop makes surfboards by hand. The number of surfboards that Fred makes during a week depends on the wave conditions. Fred has estimated the following probabilities for surfboard production for the next week.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Number of Surfboards | 5 | 6 | 7 | 8 | 9 | 10 | | Probability | 0.13 | 0.22 | 0.3 | 0.1 | 0.15 | 0.1 |   Let event A be that Fred produces more than six surfboards. Let event B be that Fred produces less than eight surfboards. Which of the following statements is true? |
| Question 1 answers   |  |  |  | | --- | --- | --- | |  | a. | P(A and B) = 0 | |  | b. | P(A) = P(B) | |  | c. | P(A or B) = P(A) + P(B) | |