Probability of Simple, Independent, and Dependent Events

Directions: Circle the type of event for each question and then find the probability in the space provided.

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Simple Solution:	Independent	Dependent
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8. Numbers 1 to 20 are placed in a bag. Without replacing the first number, what is the probability that the first number drawn will be odd and the second one will be even?	Simple Solution:	Independent	Dependent
9. On a shelf there are 60 novels and 20 poetry books. What is the probability that Person A chooses a novel and walks away with it and then Person B walks up shortly after and picks another novel?	Simple Solution:	Independent	Dependent
10. In a classroom there are 100 students, of whom 40 are boys, 30 of the 100 students wear glasses, and 15 are boys who wear glasses. If one student from the class is randomly selected what is the probability that the student will be a girl who does not wear glasses?	Simple Solution:	Independent	Dependent
11. Two cards are drawn from a single deck of 52 cards one after the other. If the first card is not replaced, find the probability of selecting a king on the first draw and a queen on the second draw?	Simple Solution:	Independent	Dependent
12. 10 cards are numbered from 1 through 10. The cards are drawn at random. If two cards are drawn with replacement, find the probability of choosing a prime number in both the first and the second draw.	Simple Solution:	Independent	Dependent
13. What is the probability of getting a 7 after rolling a single number cube numbered 1 to 6?	Simple Solution:	Independent	Dependent
14. What is the probability of landing on heads when tossing a coin and then rolling a 6 when rolling a number cube?	Simple Solution:	Independent	Dependent
15. What is the probability of landing on heads when tossing a coin?	Simple Solution:	Independent	Dependent