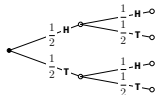


Start Tasks



Decide whether two events are independent or dependent.

1.



Two fair coins tossed. Does the 1st affect the 2nd? Independent?

3. What does “independent events” mean, in your own words?

2. A card is drawn and NOT replaced. Is the 2nd draw independent of the 1st? Explain.

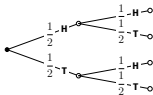
4. What does “conditional probability” mean, in your own words?

Start Tasks



Use the multiplication rule for independent events, and spot the role of replacement.

5.



For two fair coin tosses, find $P(\text{Heads then Heads})$.

6. A marble is drawn, then replaced, then a second is drawn. Are the draws independent? Why?

7. A die is rolled twice. Are the two rolls independent?

8. Why does “replacement” usually make two draws independent?