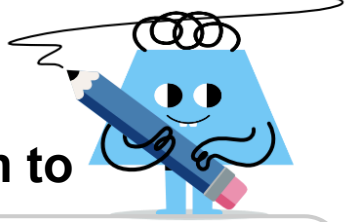
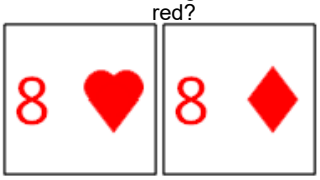
Name

Probability Union, Intersection, Complement - Cards Example Problem to Name

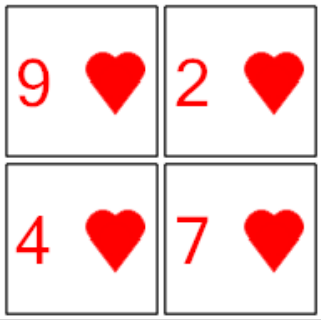


1 What set operation would give you the probability of drawing a card that is a 8, given that it is red?



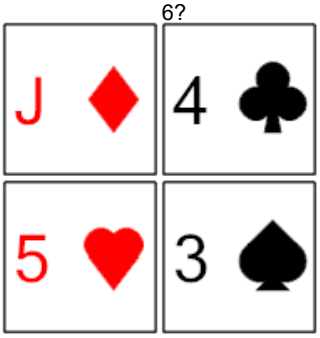
A (8) intersect (red)
B (red) conditional on (8)
C Complement of (8)
D (8) conditional on (red)

2 What set operation would give you the probability of drawing a card that is a heart, given that it is under 10?



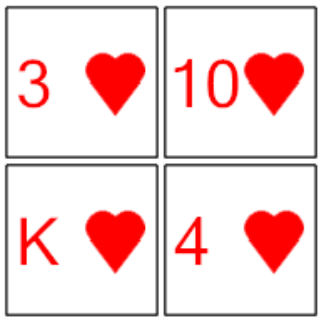
A (hearts) intersect (under 10)
B Complement of (hearts)
C (hearts) conditional on (under 10)
D (hearts) union (under 10)

3 What set operation would give you the probability of drawing a card that is a diamond or under 6?



A (diamonds) intersect (under 6)
B (diamonds) conditional on (under 6)
C (diamonds) union (under 6)
D Complement of (diamonds)

4 What set operation would give you the probability of not drawing a card that is a heart?

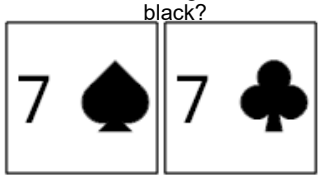


A Complement of (hearts)
B (hearts) intersect (hearts)
C (hearts) union (hearts)
D (hearts) conditional on (hearts)

5 What set operation would give you the probability of drawing a card that is a heart or under 6?

A (hearts) intersect (under 6)
B (hearts) union (under 6)
C Complement of (hearts)
D (hearts) conditional on (under 6)

6 What set operation would give you the probability of drawing a card that is a 7, given that it is black?



A (7) union (black)
B (7) intersect (black)
C Complement of (7)
D (7) conditional on (black)

7 What set operation would give you the probability of drawing a card that is even or under 8?

A (even) intersect (under 8)
B (even) conditional on (under 8)
C (even) union (under 8)
D Complement of (even)

8 What set operation would give you the probability of not drawing a card that is under 6?

A Complement of (under 6)
B (under 6) intersect (under 6)
C (under 6) union (under 6)
D (under 6) conditional on (under 6)