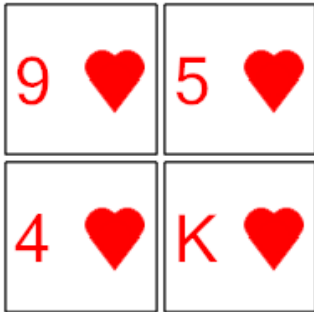


Probability Union, Intersection, Complement - Cards Example Problem to

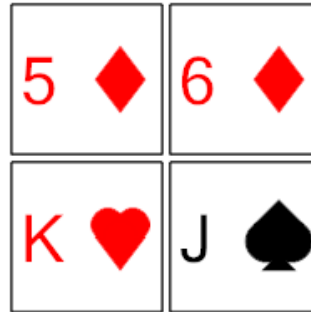
Name _____

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



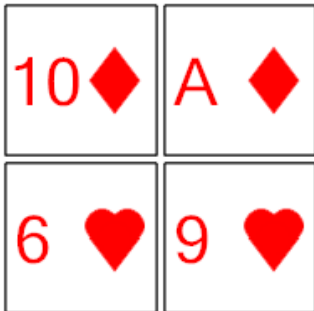
- A (red) union (red)
- B (red) conditional on (red)
- C (red) intersect (red)
- D Complement of (red)

2 What set operation would give you the probability of drawing a card that is a diamond or over 8?



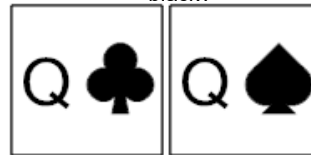
- A (diamonds) intersect (over 8)
- B Complement of (diamonds)
- C (diamonds) conditional on (over 8)
- D (diamonds) union (over 8)

3 What set operation would give you the probability of drawing a card that is a Queen or red?



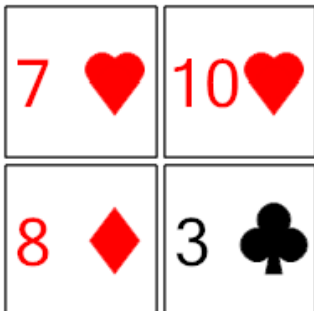
- A (Q) conditional on (red)
- B Complement of (Q)
- C (Q) intersect (red)
- D (Q) union (red)

4 What set operation would give you the probability of drawing a card that is both a Queen and black?



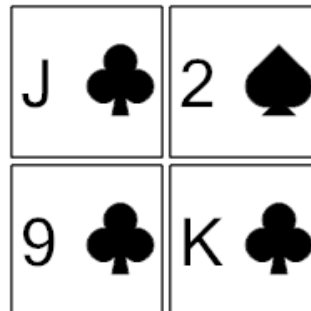
- A (Q) conditional on (black)
- B (Q) union (black)
- C Complement of (Q)
- D (Q) intersect (black)

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



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

6 What set operation would give you the probability of drawing a card that is a 8 or black?



- A (8) intersect (black)
- B (8) union (black)
- C (8) conditional on (black)
- D Complement of (8)

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



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

8 What set operation would give you the probability of drawing a card that is a diamond or under 10?



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