



Probability Union, Intersection, Complement - Cards Example Problem to Venn Diagram

1

8 ♠	J ♣
7 ♠	Q ♦

Which Venn diagram represents the probability of not drawing a card that is over 6?

A	B

2

10 ♦	K ♥
4 ♠	9 ♣

Which Venn diagram represents the probability of drawing a card that is even or over 8?

A	B

3

7 ♣	7 ♠
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Which Venn diagram represents the probability of drawing a card that is both a 7 and black?

A	B

4

2 ♣	5 ♣
4 ♥	2 ♠

Which Venn diagram represents the probability of not drawing a card that is under 6?

A	B

5

7 ♦	7 ♥
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Which Venn diagram represents the probability of drawing a card that is both a 7 and red?

A	B

6

Q ♥	9 ♥
K ♥	J ♥

Which Venn diagram represents the probability of drawing a card that is both a heart and over 8?

A	B

7

2 ♣	Q ♣
K ♣	10 ♠

Which Venn diagram represents the probability of drawing a card that is a 9 or black?

A	B

8

5 ♦	3 ♦
7 ♦	9 ♦

Which Venn diagram represents the probability of drawing a card that is both a diamond and odd?

A	B