



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

1

5 ♦	5 ♥
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Which Venn diagram represents the probability of drawing a card that is both a 5 and red?

A	B

2

8 ♦	7 ♥
2 ♦	2 ♥

Which Venn diagram represents the probability of drawing a card that is both red and under 10?

A	B

3

8 ♦	8 ♠
7 ♠	7 ♣

Which Venn diagram represents the probability of drawing a card that is both over 6 and under 10?

A	B

4

3 ♦	Q ♠
4 ♦	10 ♦

Which Venn diagram represents the probability of drawing a card that is a Queen or red?

A	B

5

4 ♥	8 ♥
2 ♥	6 ♥

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

A	B

6

8 ♠	4 ♠
6 ♠	10 ♠

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

A	B

7

2 ♦	3 ♦
4 ♦	2 ♣

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

A	B

8

3 ♠	6 ♣
6 ♦	5 ♥

Which Venn diagram represents the probability of not drawing a card that is under 10?

A	B