Sum of Two Dice Probabilities (C)

Find the probability of each sum when two dice are rolled.
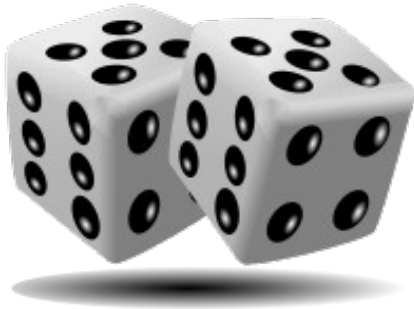
+	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

P(≥5) =

P(≥9) =

P(>9) =

P(3) =

P(≥4) =

P(≤9) =

P(<5) =

P(<11) =

P(<9) =

P(≤6) =

P(≤8) =

P(≤7) =

P(≤5) =

P(<11) =

P(>8) =

P(<3) =

Sum of Two Dice Probabilities (C) Answers

Find the probability of each sum when two dice are rolled.

+	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

P(≥5) = 30/36
5/6

P(<9) = 26/36
13/18

P(≥9) = 10/36
5/18

P(≤6) = 15/36
5/12

P(>9) = 6/36
1/6

P(≤8) = 26/36
13/18

P(3) = 2/36
1/18

P(≤7) = 21/36
7/12

P(≥4) = 33/36
11/12

P(≤5) = 10/36
5/18

P(≤9) = 30/36
5/6

P(<11) = 33/36
11/12

P(<5) = 6/36
1/6

P(>8) = 10/36
5/18

P(<11) = 33/36
11/12

P(<3) = 1/36
1/36