Sum of Two Dice Probabilities (D)

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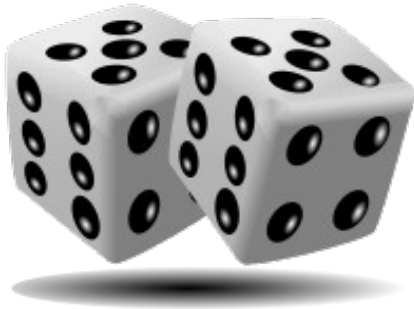
+	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

P(12) =

P(≥2) =

P(>3) =

P(≤2) =

P(≥6) =

P(≤11) =

P(<6) =

P(≤9) =

P(>10) =

P(≥8) =

P(≤4) =

P(<3) =

P(<4) =

P(9) =

P(12) =

P(≤3) =

Sum of Two Dice Probabilities (D) 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(12) = 1/36
1/36

P(>10) = 3/36
1/12

P(≥2) = 36/36
1/1

P(≥8) = 15/36
5/12

P(>3) = 33/36
11/12

P(≤4) = 6/36
1/6

P(≤2) = 1/36
1/36

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

P(≥6) = 26/36
13/18

P(<4) = 3/36
1/12

P(≤11) = 35/36
35/36

P(9) = 4/36
1/9

P(<6) = 10/36
5/18

P(12) = 1/36
1/36

P(≤9) = 30/36
5/6

P(≤3) = 3/36
1/12

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