Sum of Two Dice Probabilities (I)

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

$P(\geq 12) =$

$P(4) =$

$P(7) =$

$P(\geq 5) =$

$P(<5) =$

$P(2) =$

$P(>8) =$

$P(\geq 5) =$

$P(>4) =$

$P(\leq 2) =$

$P(5) =$

$P(>10) =$

$P(\leq 4) =$

$P(>10) =$

$P(\leq 3) =$

$P(>6) =$

Sum of Two Dice Probabilities (I) 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

$P(\geq 12) = 1/36$

1/36

$P(4) = 3/36$

1/12

$P(7) = 6/36$

1/6

$P(\geq 5) = 30/36$

5/6

$P(<5) = 6/36$

1/6

$P(2) = 1/36$

1/36

$P(>8) = 10/36$

5/18

$P(\geq 5) = 30/36$

5/6

$P(>4) = 30/36$

5/6

$P(\leq 2) = 1/36$

1/36

$P(5) = 4/36$

1/9

$P(>10) = 3/36$

1/12

$P(\leq 4) = 6/36$

1/6

$P(>10) = 3/36$

1/12

$P(\leq 3) = 3/36$

1/12

$P(>6) = 21/36$

7/12