

Sum of Two Dice Probabilities (A)

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

$P(>2) =$

$P(<11) =$

$P(\geq 2) =$

$P(\geq 12) =$

$P(\leq 7) =$

$P(<5) =$

$P(\leq 5) =$

$P(10) =$

$P(\geq 8) =$

$P(<6) =$

$P(\geq 12) =$

$P(\leq 10) =$

$P(\geq 6) =$

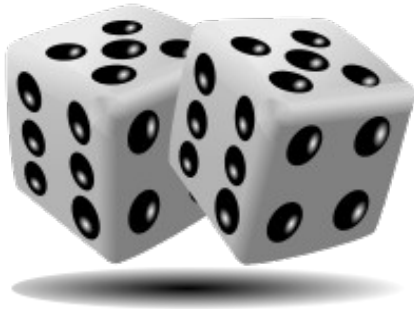
$P(\leq 12) =$

$P(\geq 11) =$

$P(>5) =$

Sum of Two Dice Probabilities (A) 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

$$P(>2) = 35/36$$

$35/36$

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

$11/12$

$$P(\geq 2) = 36/36$$

$1/1$

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

$1/36$

$$P(\leq 7) = 21/36$$

$7/12$

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

$1/6$

$$P(\leq 5) = 10/36$$

$5/18$

$$P(10) = 3/36$$

$1/12$

$$P(\geq 8) = 15/36$$

$5/12$

$$P(<6) = 10/36$$

$5/18$

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

$1/36$

$$P(\leq 10) = 33/36$$

$11/12$

$$P(\geq 6) = 26/36$$

$13/18$

$$P(\leq 12) = 36/36$$

$1/1$

$$P(\geq 11) = 3/36$$

$1/12$

$$P(>5) = 26/36$$

$13/18$

Sum of Two Dice Probabilities (B)

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

$P(>3) =$

$P(<11) =$

$P(\geq 12) =$

$P(>6) =$

$P(\leq 6) =$

$P(\geq 5) =$

$P(<3) =$

$P(\geq 10) =$

$P(\leq 3) =$

$P(\geq 6) =$

$P(>10) =$

$P(\leq 10) =$

$P(<11) =$

$P(\leq 8) =$

$P(\geq 5) =$

$P(<11) =$

Sum of Two Dice Probabilities (B) 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

$$P(>3) = \frac{33}{36}$$
$$\frac{11}{12}$$

$$P(<11) = \frac{33}{36}$$
$$\frac{11}{12}$$

$$P(\geq 12) = \frac{1}{36}$$
$$\frac{1}{36}$$

$$P(>6) = \frac{21}{36}$$
$$\frac{7}{12}$$

$$P(\leq 6) = \frac{15}{36}$$
$$\frac{5}{12}$$

$$P(\geq 5) = \frac{30}{36}$$
$$\frac{5}{6}$$

$$P(<3) = \frac{1}{36}$$
$$\frac{1}{36}$$

$$P(\geq 10) = \frac{6}{36}$$
$$\frac{1}{6}$$

$$P(\leq 3) = \frac{3}{36}$$
$$\frac{1}{12}$$

$$P(\geq 6) = \frac{26}{36}$$
$$\frac{13}{18}$$

$$P(>10) = \frac{3}{36}$$
$$\frac{1}{12}$$

$$P(\leq 10) = \frac{33}{36}$$
$$\frac{11}{12}$$

$$P(<11) = \frac{33}{36}$$
$$\frac{11}{12}$$

$$P(\leq 8) = \frac{26}{36}$$
$$\frac{13}{18}$$

$$P(\geq 5) = \frac{30}{36}$$
$$\frac{5}{6}$$

$$P(<11) = \frac{33}{36}$$
$$\frac{11}{12}$$

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

$P(\geq 5) =$

$P(< 9) =$

$P(\geq 9) =$

$P(\leq 6) =$

$P(> 9) =$

$P(\leq 8) =$

$P(3) =$

$P(\leq 7) =$

$P(\geq 4) =$

$P(\leq 5) =$

$P(\leq 9) =$

$P(< 11) =$

$P(< 5) =$

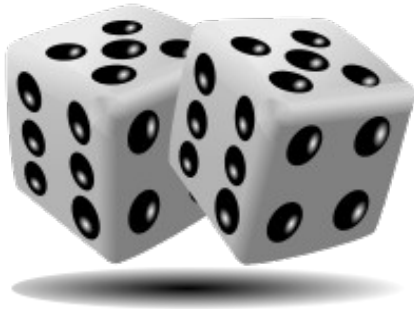
$P(> 8) =$

$P(< 11) =$

$P(< 3) =$

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

$$P(\geq 5) = 30/36$$
$$5/6$$

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

$$P(\geq 9) = 10/36$$
$$5/18$$

$$P(\leq 6) = 15/36$$
$$5/12$$

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

$$P(\leq 8) = 26/36$$
$$13/18$$

$$P(3) = 2/36$$
$$1/18$$

$$P(\leq 7) = 21/36$$
$$7/12$$

$$P(\geq 4) = 33/36$$
$$11/12$$

$$P(\leq 5) = 10/36$$
$$5/18$$

$$P(\leq 9) = 30/36$$
$$5/6$$

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

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

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

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

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

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

$P(12) =$

$P(>10) =$

$P(\geq 2) =$

$P(\geq 8) =$

$P(>3) =$

$P(\leq 4) =$

$P(\leq 2) =$

$P(<3) =$

$P(\geq 6) =$

$P(<4) =$

$P(\leq 11) =$

$P(9) =$

$P(<6) =$

$P(12) =$

$P(\leq 9) =$

$P(\leq 3) =$

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

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

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

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

$$P(\geq 8) = 15/36$$
$$5/12$$

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

$$P(\leq 4) = 6/36$$
$$1/6$$

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

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

$$P(\geq 6) = 26/36$$
$$13/18$$

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

$$P(\leq 11) = 35/36$$
$$35/36$$

$$P(9) = 4/36$$
$$1/9$$

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

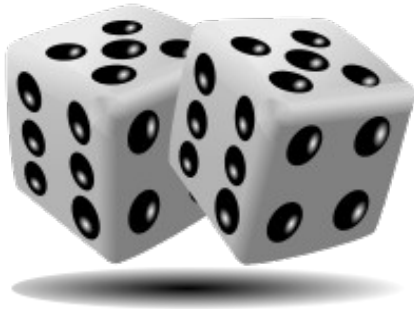
$$P(12) = 1/36$$
$$1/36$$

$$P(\leq 9) = 30/36$$
$$5/6$$

$$P(\leq 3) = 3/36$$
$$1/12$$

Sum of Two Dice Probabilities (E)

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

$P(<9) =$

$P(\geq 6) =$

$P(\leq 11) =$

$P(6) =$

$P(\leq 3) =$

$P(<3) =$

$P(9) =$

$P(2) =$

$P(\geq 3) =$

$P(>8) =$

$P(>4) =$

$P(\leq 4) =$

$P(\leq 12) =$

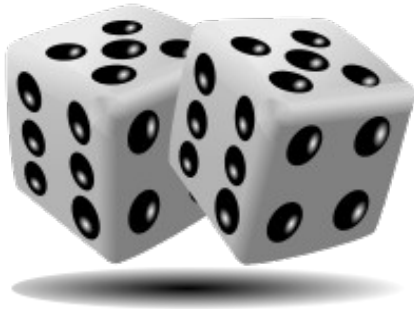
$P(<3) =$

$P(\leq 12) =$

$P(>11) =$

Sum of Two Dice Probabilities (E) 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

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

$$P(\geq 6) = 26/36$$
$$13/18$$

$$P(\leq 11) = 35/36$$
$$35/36$$

$$P(6) = 5/36$$
$$5/36$$

$$P(\leq 3) = 3/36$$
$$1/12$$

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

$$P(9) = 4/36$$
$$1/9$$

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

$$P(\geq 3) = 35/36$$
$$35/36$$

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

$$P(>4) = 30/36$$
$$5/6$$

$$P(\leq 4) = 6/36$$
$$1/6$$

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

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

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

$$P(>11) = 1/36$$
$$1/36$$

Sum of Two Dice Probabilities (F)

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

$P(\leq 11) =$

$P(\geq 10) =$

$P(< 8) =$

$P(\geq 11) =$

$P(8) =$

$P(< 8) =$

$P(\leq 5) =$

$P(\geq 12) =$

$P(\leq 6) =$

$P(\leq 10) =$

$P(< 7) =$

$P(< 5) =$

$P(> 12) =$

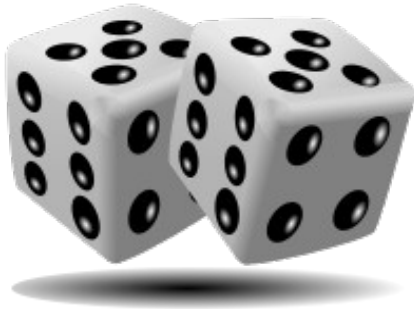
$P(\geq 5) =$

$P(> 6) =$

$P(> 12) =$

Sum of Two Dice Probabilities (F) 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

$$P(\leq 11) = \frac{35}{36}$$

$$\frac{35}{36}$$

$$P(\geq 10) = \frac{6}{36}$$

$$\frac{1}{6}$$

$$P(< 8) = \frac{21}{36}$$

$$\frac{7}{12}$$

$$P(\geq 11) = \frac{3}{36}$$

$$\frac{1}{12}$$

$$P(8) = \frac{5}{36}$$

$$\frac{5}{36}$$

$$P(< 8) = \frac{21}{36}$$

$$\frac{7}{12}$$

$$P(\leq 5) = \frac{10}{36}$$

$$\frac{5}{18}$$

$$P(\geq 12) = \frac{1}{36}$$

$$\frac{1}{36}$$

$$P(\leq 6) = \frac{15}{36}$$

$$\frac{5}{12}$$

$$P(\leq 10) = \frac{33}{36}$$

$$\frac{11}{12}$$

$$P(< 7) = \frac{15}{36}$$

$$\frac{5}{12}$$

$$P(< 5) = \frac{6}{36}$$

$$\frac{1}{6}$$

$$P(> 12) = \frac{0}{36}$$

$$0$$

$$P(\geq 5) = \frac{30}{36}$$

$$\frac{5}{6}$$

$$P(> 6) = \frac{21}{36}$$

$$\frac{7}{12}$$

$$P(> 12) = \frac{0}{36}$$

$$0$$

Sum of Two Dice Probabilities (G)

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

$P(>8) =$

$P(>9) =$

$P(\geq 3) =$

$P(6) =$

$P(>8) =$

$P(>4) =$

$P(10) =$

$P(\geq 9) =$

$P(10) =$

$P(>6) =$

$P(\geq 4) =$

$P(>10) =$

$P(\leq 7) =$

$P(>8) =$

$P(9) =$

$P(\leq 11) =$

Sum of Two Dice Probabilities (G) 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

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

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

$$P(\geq 3) = 35/36$$
$$35/36$$

$$P(6) = 5/36$$
$$5/36$$

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

$$P(>4) = 30/36$$
$$5/6$$

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

$$P(\geq 9) = 10/36$$
$$5/18$$

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

$$P(>6) = 21/36$$
$$7/12$$

$$P(\geq 4) = 33/36$$
$$11/12$$

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

$$P(\leq 7) = 21/36$$
$$7/12$$

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

$$P(9) = 4/36$$
$$1/9$$

$$P(\leq 11) = 35/36$$
$$35/36$$

Sum of Two Dice Probabilities (H)

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

$P(\leq 4) =$

$P(< 4) =$

$P(< 5) =$

$P(> 7) =$

$P(> 5) =$

$P(\geq 10) =$

$P(\geq 7) =$

$P(> 5) =$

$P(\leq 8) =$

$P(> 6) =$

$P(\leq 5) =$

$P(\geq 4) =$

$P(> 8) =$

$P(\leq 11) =$

$P(< 6) =$

$P(> 4) =$

Sum of Two Dice Probabilities (H) 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

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

$$1/6$$

$$P(< 4) = 3/36$$

$$1/12$$

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

$$1/6$$

$$P(> 7) = 15/36$$

$$5/12$$

$$P(> 5) = 26/36$$

$$13/18$$

$$P(\geq 10) = 6/36$$

$$1/6$$

$$P(\geq 7) = 21/36$$

$$7/12$$

$$P(> 5) = 26/36$$

$$13/18$$

$$P(\leq 8) = 26/36$$

$$13/18$$

$$P(> 6) = 21/36$$

$$7/12$$

$$P(\leq 5) = 10/36$$

$$5/18$$

$$P(\geq 4) = 33/36$$

$$11/12$$

$$P(> 8) = 10/36$$

$$5/18$$

$$P(\leq 11) = 35/36$$

$$35/36$$

$$P(< 6) = 10/36$$

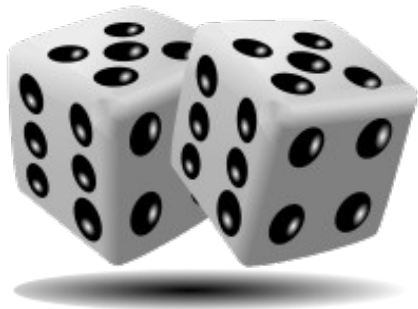
$$5/18$$

$$P(> 4) = 30/36$$

$$5/6$$

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

$P(\geq 12) =$

$P(4) =$

$P(7) =$

$P(\geq 5) =$

$P(< 5) =$

$P(2) =$

$P(> 8) =$

$P(\geq 5) =$

$P(> 4) =$

$P(\leq 2) =$

$P(5) =$

$P(> 10) =$

$P(\leq 4) =$

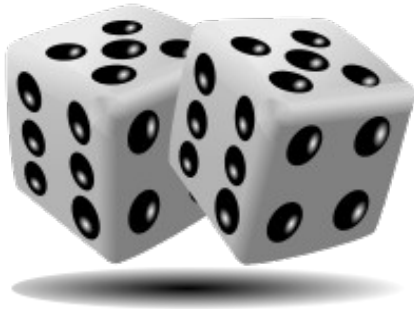
$P(> 10) =$

$P(\leq 3) =$

$P(> 6) =$

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

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

$1/36$

$$P(4) = 3/36$$

$1/12$

$$P(7) = 6/36$$

$1/6$

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

$5/6$

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

$1/6$

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

$1/36$

$$P(> 8) = 10/36$$

$5/18$

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

$5/6$

$$P(> 4) = 30/36$$

$5/6$

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

$1/36$

$$P(5) = 4/36$$

$1/9$

$$P(> 10) = 3/36$$

$1/12$

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

$1/6$

$$P(> 10) = 3/36$$

$1/12$

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

$1/12$

$$P(> 6) = 21/36$$

$7/12$

Sum of Two Dice Probabilities (J)

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

$P(7) =$

$P(<5) =$

$P(\leq 4) =$

$P(>9) =$

$P(\leq 10) =$

$P(3) =$

$P(>5) =$

$P(<12) =$

$P(11) =$

$P(\geq 12) =$

$P(\leq 2) =$

$P(>12) =$

$P(>5) =$

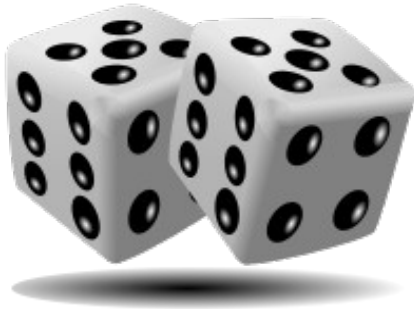
$P(\leq 5) =$

$P(>5) =$

$P(\geq 6) =$

Sum of Two Dice Probabilities (J) 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

$$P(7) = 6/36$$

$$1/6$$

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

$$1/6$$

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

$$1/6$$

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

$$1/6$$

$$P(\leq 10) = 33/36$$

$$11/12$$

$$P(3) = 2/36$$

$$1/18$$

$$P(>5) = 26/36$$

$$13/18$$

$$P(<12) = 35/36$$

$$35/36$$

$$P(11) = 2/36$$

$$1/18$$

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

$$1/36$$

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

$$1/36$$

$$P(>12) = 0/36$$

$$0$$

$$P(>5) = 26/36$$

$$13/18$$

$$P(\leq 5) = 10/36$$

$$5/18$$

$$P(>5) = 26/36$$

$$13/18$$

$$P(\geq 6) = 26/36$$

$$13/18$$