

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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