

# Sum of Two Dice Probabilities (A)

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



$P(\geq 3) =$

$P(\leq 8) =$

$P(< 10) =$

$P(< 12) =$

$P(< 5) =$

$P(< 3) =$

$P(\geq 10) =$

$P(\geq 12) =$

$P(12) =$

$P(> 4) =$

$P(> 5) =$

$P(\geq 10) =$

$P(5) =$

$P(< 12) =$

$P(< 7) =$

$P(11) =$

# Sum of Two Dice Probabilities (A) Answers

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



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

$35/36$

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

$13/18$

$$P(< 10) = 30/36$$

$5/6$

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

$35/36$

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

$1/6$

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

$1/36$

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

$1/6$

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

$1/36$

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

$1/36$

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

$5/6$

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

$13/18$

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

$1/6$

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

$1/9$

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

$35/36$

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

$5/12$

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

$1/18$

## Sum of Two Dice Probabilities (B)

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



$P(>3) =$

$P(\leq 7) =$

$P(\leq 6) =$

$P(<8) =$

$P(>9) =$

$P(\geq 4) =$

$P(>5) =$

$P(\geq 11) =$

$P(<9) =$

$P(\geq 12) =$

$P(11) =$

$P(>3) =$

$P(\leq 6) =$

$P(>2) =$

$P(5) =$

$P(\leq 5) =$

# Sum of Two Dice Probabilities (B) Answers

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



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

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

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

$$P(< 8) = \frac{21}{36}$$
$$\frac{7}{12}$$

$$P(> 9) = \frac{6}{36}$$
$$\frac{1}{6}$$

$$P(\geq 4) = \frac{33}{36}$$
$$\frac{11}{12}$$

$$P(> 5) = \frac{26}{36}$$
$$\frac{13}{18}$$

$$P(\geq 11) = \frac{3}{36}$$
$$\frac{1}{12}$$

$$P(< 9) = \frac{26}{36}$$
$$\frac{13}{18}$$

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

$$P(11) = \frac{2}{36}$$
$$\frac{1}{18}$$

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

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

$$P(> 2) = \frac{35}{36}$$
$$\frac{35}{36}$$

$$P(5) = \frac{4}{36}$$
$$\frac{1}{9}$$

$$P(\leq 5) = \frac{10}{36}$$
$$\frac{5}{18}$$

## Sum of Two Dice Probabilities (C)

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



$P(\leq 9) =$

$P(< 9) =$

$P(< 11) =$

$P(< 3) =$

$P(5) =$

$P(< 3) =$

$P(> 10) =$

$P(\geq 7) =$

$P(< 9) =$

$P(> 5) =$

$P(\geq 12) =$

$P(\leq 3) =$

$P(\geq 2) =$

$P(\leq 8) =$

$P(< 10) =$

$P(\leq 4) =$

# Sum of Two Dice Probabilities (C) Answers

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



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

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

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

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

$$P(5) = 4/36$$
$$1/9$$

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

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

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

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

$$P(> 5) = 26/36$$
$$13/18$$

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

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

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

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

$$P(< 10) = 30/36$$
$$5/6$$

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

## Sum of Two Dice Probabilities (D)

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



$P(\leq 8) =$

$P(7) =$

$P(> 8) =$

$P(9) =$

$P(\geq 8) =$

$P(9) =$

$P(< 3) =$

$P(\geq 11) =$

$P(\leq 9) =$

$P(< 10) =$

$P(< 10) =$

$P(4) =$

$P(\geq 6) =$

$P(> 6) =$

$P(\geq 11) =$

$P(4) =$

# Sum of Two Dice Probabilities (D) Answers

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



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

$$P(7) = 6/36$$
$$1/6$$

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

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

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

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

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

$$P(\geq 11) = 3/36$$
$$1/12$$

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

$$P(< 10) = 30/36$$
$$5/6$$

$$P(< 10) = 30/36$$
$$5/6$$

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

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

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

$$P(\geq 11) = 3/36$$
$$1/12$$

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



## Sum of Two Dice Probabilities (E)

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



$P(\geq 10) =$

$P(9) =$

$P(\geq 12) =$

$P(\geq 5) =$

$P(> 8) =$

$P(4) =$

$P(2) =$

$P(\geq 2) =$

$P(< 9) =$

$P(> 2) =$

$P(8) =$

$P(\leq 11) =$

$P(8) =$

$P(\leq 8) =$

$P(\geq 3) =$

$P(\geq 9) =$

# Sum of Two Dice Probabilities (E) Answers

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



$$P(\geq 10) = 6/36$$
$$1/6$$

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

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

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

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

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

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

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

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

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

$$P(8) = 5/36$$
$$5/36$$

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

$$P(8) = 5/36$$
$$5/36$$

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

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

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

# Sum of Two Dice Probabilities (F)

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



$P(3) =$

$P(3) =$

$P(>8) =$

$P(>3) =$

$P(8) =$

$P(11) =$

$P(<2) =$

$P(\leq 10) =$

$P(\leq 3) =$

$P(\geq 9) =$

$P(\leq 5) =$

$P(>3) =$

$P(\leq 4) =$

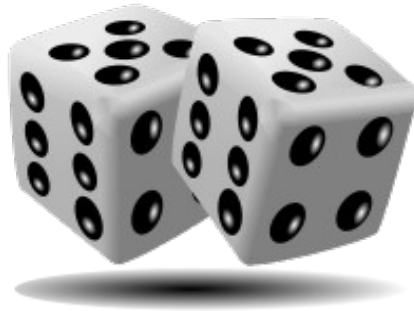
$P(>6) =$

$P(<2) =$

$P(>8) =$

# Sum of Two Dice Probabilities (F) Answers

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



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

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

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

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

$$P(8) = 5/36$$
$$5/36$$

$$P(11) = 2/36$$
$$1/18$$

$$P(<2) = 0/36$$
$$0$$

$$P(\leq 10) = 33/36$$
$$11/12$$

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

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

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

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

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

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

$$P(<2) = 0/36$$
$$0$$

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

# Sum of Two Dice Probabilities (G)

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



$P(\geq 10) =$

$P(\geq 12) =$

$P(> 7) =$

$P(> 3) =$

$P(\leq 6) =$

$P(\leq 11) =$

$P(\geq 2) =$

$P(\geq 2) =$

$P(> 11) =$

$P(\leq 4) =$

$P(\geq 11) =$

$P(> 8) =$

$P(\geq 8) =$

$P(2) =$

$P(\leq 10) =$

$P(\geq 12) =$

# Sum of Two Dice Probabilities (G) Answers

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



$$P(\geq 10) = 6/36$$
$$1/6$$

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

$$P(> 7) = 15/36$$
$$5/12$$

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

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

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

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

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

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

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

$$P(\geq 11) = 3/36$$
$$1/12$$

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

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

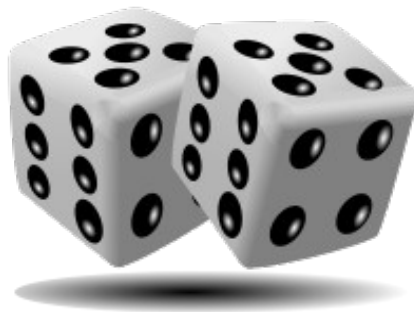
$$P(2) = 1/36$$
$$1/36$$

$$P(\leq 10) = 33/36$$
$$11/12$$

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

# Sum of Two Dice Probabilities (H)

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



$P(6) =$

$P(<4) =$

$P(\leq 9) =$

$P(\leq 7) =$

$P(>8) =$

$P(4) =$

$P(\geq 12) =$

$P(<4) =$

$P(5) =$

$P(\geq 2) =$

$P(<6) =$

$P(\geq 3) =$

$P(\leq 5) =$

$P(5) =$

$P(\leq 3) =$

$P(\leq 8) =$

# Sum of Two Dice Probabilities (H) Answers

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



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

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

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

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

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

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

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

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

$$P(5) = 4/36$$
$$1/9$$

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

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

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

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

$$P(5) = 4/36$$
$$1/9$$

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

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



# Sum of Two Dice Probabilities (I)

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



$P(\geq 5) =$

$P(< 9) =$

$P(\leq 7) =$

$P(< 9) =$

$P(\geq 4) =$

$P(< 11) =$

$P(\geq 2) =$

$P(> 4) =$

$P(< 11) =$

$P(\geq 7) =$

$P(\geq 6) =$

$P(\leq 2) =$

$P(\geq 12) =$

$P(\leq 4) =$

$P(< 10) =$

$P(< 7) =$

# Sum of Two Dice Probabilities (I) Answers

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



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

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

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

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

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

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

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

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

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

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

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

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

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

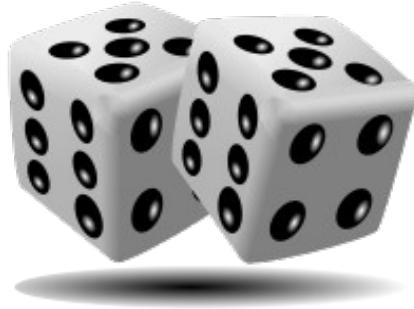
$$P(\leq 4) = 6/36$$
$$1/6$$

$$P(< 10) = 30/36$$
$$5/6$$

$$P(< 7) = 15/36$$
$$5/12$$

# Sum of Two Dice Probabilities (J)

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



$P(<8) =$

$P(\geq 3) =$

$P(<3) =$

$P(12) =$

$P(>3) =$

$P(\leq 10) =$

$P(\geq 8) =$

$P(6) =$

$P(\leq 4) =$

$P(\geq 10) =$

$P(\leq 3) =$

$P(\geq 4) =$

$P(>10) =$

$P(\geq 9) =$

$P(7) =$

$P(>4) =$

# Sum of Two Dice Probabilities (J) Answers

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



$$P(<8) = 21/36$$
$$7/12$$

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

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

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

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

$$P(\leq 10) = 33/36$$
$$11/12$$

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

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

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

$$P(\geq 10) = 6/36$$
$$1/6$$

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

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

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

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

$$P(7) = 6/36$$
$$1/6$$

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