

Student Name: _____

Score: _____

A pair of dice is rolled.

Pair of Dice Worksheet

Problems

Work Space

Find all possible outcomes Answer: _____	
Find the probability of showing an even numbers on both dice Answer: _____	
Find the probability of showing an odd number on the second die Answer: _____	
Find the probability of not showing prime number on the first die Answer: _____	
Find the probability of showing prime numbers on both dice Answer: _____	
Find the probability of showing same numbers on both dice Answer: _____	

Student Name: _____

Score: _____

Answer key

Pair of Dice Worksheet

Find all possible outcomes

Answer:

{(1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6)
(2, 1), (2, 2), (2, 3), (2, 4), (2, 5), (2, 6)
(3, 1), (3, 2), (3, 3), (3, 4), (3, 5), (3, 6)
(4, 1), (4, 2), (4, 3), (4, 4), (4, 5), (4, 6)
(5, 1), (5, 2), (5, 3), (5, 4), (5, 5), (5, 6)
(6, 1), (6, 2), (6, 3), (6, 4), (6, 5), (6, 6)}

Find the probability of showing an even numbers on both dice

Answer: $\frac{1}{4}$

Find the probability of showing an odd number on the second die

Answer: $\frac{1}{2}$

Find the probability of not showing prime number on the first die

Answer: $\frac{1}{2}$

Find the probability of showing prime numbers on both dice

Answer: $\frac{1}{4}$

Find the probability of showing same numbers on both dice

Answer: $\frac{1}{6}$