

Student Name: _____

Score: _____

Pair of Dice Worksheet

A pair of dice is rolled.

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: _____	

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Answers

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: $\frac{1}{6}$	