In Class

Explore:

Ex. 1

List the possible outcomes for:

 a. tossing a coin b. rolling a die

Ex. 2

Illustrate the possible outcomes when a coin and a die are thrown using a 2-dimensional grid.

Ex. 3

Illustrate the possible outcomes when a coin and a die are thrown using a tree diagram.

Ex. 4

Illustrate the possible outcomes when a penny, nickel and die are thrown using a tree diagram.

**Ex. 5**

Mr. Peacock’s 6B Math Studies II class contains 34 students, of which 15 are boys.

* What is the probability that a randomly selected student is a boy?
* What is the probability that a randomly selected student is not a boy?

**Ex. 6**

A bag contains 3 yellow marbles, 6 green marbles and 8 blue marbles.

* What is the probability that a randomly selected marble is blue?
* What is the probability that a randomly selected marble is either green or blue?
* What is the probability that a randomly selected marble is not green?

**Ex. 7**

Three coins are flipped.

* What is the probability that all are heads?
* What is the probability that at least two are tails?
* What is the probability that none are heads?

**Ex. 8**

**List the elements of the set *A* = {*x*│–4 ≤ *x* ≤ 2, *x* is an integer}.**

**A number is chosen at random from set *A.***

**Write down the probability that the number chosen is**

**(a) a negative integer;**

**(b) a positive even integer;**

**(c) an odd integer less than –1.**