Timed Expectations

`00 : 00 : 00` ▶ ■

(no Warm Up Today)
Each Team needs to connect 4 calculators to the
Hub using the cables near the door.

The following students need to enter their Data on
iPad using the QR Code posted around the room

Jacob T
Jeremiah J
Omar G
Jenae T
Gizelle C
Zach C

Deck of Cards

Suits: ## Values:

Colors: ## Face Cards:

Probability

Chance or likelihood that an event will take place, always between 0 and 1

$$P(\text{favorable}) = \frac{\text{favorable outcomes}}{\text{total outcomes}}$$

$$P(\text{not favorable}) = \frac{\text{not favorable outcomes}}{\text{total outcomes}}$$

Must sum to 1

Certain: Probability of 1

Impossible: Probability of 0

Examples

1. What is the probability of rolling a four in one roll of a six-side fair die?

The probability of throwing a four is 1/6.

2. The faces of a cube are marked with the letters A, A, B, C, D, E. If the cube is tossed, what is the probability that an A will turn up?

The probability that an A will turn up is 2/6 or 1/3.

A spinner has 4 equal sectors colored yellow, blue, green and red. After spinning the spinner, what is the probability of landing on each color?

A single 6-sided die is rolled. What is the probability of each outcome? What is the probability of rolling an even number? of rolling an odd number?

A glass jar contains 6 red, 5 green, 8 blue and 3 yellow marbles. If a single marble is chosen at random from the jar, what is the probability of choosing a red marble? a green marble? a blue marble? a yellow marble?

1. Complete Probability Assignment #2