



Math Virtual Learning

Grade 7

Theoretical vs. Experimental

Probability

April 21, 2020



Grade 7 / Theoretical vs. Experimental Probability
Lesson: April 21, 2020

Objective/Learning Target:

Students will compare theoretical and experimental probabilities.

Let's get started: Watch video

[Watch Video on Theoretical vs Experimental Probability](#)

INTRO:

A little background since this is a somewhat new concept...

Read through the information on this page and study the given examples.



Practice:

Go to this website: [Khan Academy: Comparing Probabilities](#)

1. Answer and check the seven questions.
2. Use video links if you have any questions.

Make sure you read the questions very carefully.

Practice:

Answer the questions on a piece of paper.

1. You flip a coin 50 times and get 20 tails. What is the experimental probability of getting tails?

- 40%
- 25%
- 50%
- 100%

2. Theoretical probability calculates the number of times an event ____ happen, while experimental probability calculates the number of times an event ____ happen.

- Can, Did
- Did, Did
- Did, Can
- Can, Can

3. Theoretical probability uses only ____, while experimental probability uses ____.

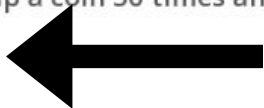
- Knowledge, Actual experience
- Knowledge, Knowledge
- Actual experience, Knowledge
- Actual experience, Actual experience

Answer Key:

Once you have completed the problems, check your answers here.

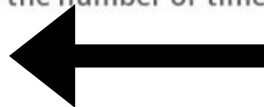
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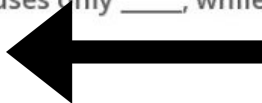
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3. Theoretical probability uses only ____, while experimental probability uses ____.

- Knowledge, Actual experience
- Knowledge, Knowledge
- Actual experience, Knowledge
- Actual experience, Actual experience



Additional Practice:

Click on the links below to get additional practice and to check your understanding!

[Quizizz](#)

[That Quiz](#)

[Beat the Odds](#) - Competition mode

[IXL](#)