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Homework

Please answer the following questions. Be sure that you have downloaded the associated Excel file before beginning the homework. This lesson uses the **JulyExclusiveandIndependentHW.xlsx** file.

*Remember that homework counts for 20% of your final grade. You are allowed **unlimited** attempts per question for homework problems. The main goal of homework is for you to practice and learn how to apply what you've learned in the content without worrying about getting the problem right the first time. Some homework problems may also provide hints or advice. Have fun!*

M2L3HW1

1/1 point (graded)

Events A and B are mutually exclusive. Can events A and B be independent?

☐ Events A and B can be independent.

☒ Events A and B cannot be independent. ✓

Submit

✓ Correct (1/1 point)

M2L3HW2

1/1 point (graded)

30% of all students at Carver High School play basketball, 20% run cross country, and 10% do both (i.e., play basketball and run cross country).

What percentage of the students play at least one sport?

☐ 20%

☐ 30%

☒ 40% ✓

☐ 50%

Submit

✓ Correct (1/1 point)

M2L3HW3

1/1 point (graded)

Suppose we randomly choose an integer between one and ten inclusive. Let A = event that the number is prime. Let B = event that the number is less than or equal to 5.

Are events A and B independent?

☐ Events A and B are independent.

☒ Events A and B are not independent. ✓

Submit

✓ Correct (1/1 point)

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