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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 **JulyComplementsHW.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!*

### M2L2HW1

1/1 point (graded)

If you toss 3 six-sided dice, what is the probability that your total is between 4 and 17 inclusive?

There are  $6 \times 6 \times 6 = 216$  outcomes in the sample space. The probability of rolling a 3 or 18 is  $2/216$ .

☐ 104/108

☐ 105/108

☐ 106/108

☒ 107/108 ✓

Submit

✓ Correct (1/1 point)

## M2L2HW2

1/1 point (graded)

If you draw a card from a deck of cards, what is the probability that the card is NOT a diamond?

A standard deck of 52 cards contains four suits with 13 cards in each suit.

☐ 37/52

☒ 39/52 ✓

☐ 41/52

☐ 43/52

Submit

✓ Correct (1/1 point)

## M2L2HW3

1/1 point (graded)

In a family with 3 children, what is the probability that there is a child of each gender (male/female)?

☐ 1/4

☐ 2/4

☒ 3/4 ✓

☐ 4/4

Submit

✓ Correct (1/1 point)

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