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MATH 1342

Quiz 8.5

The average 1-ounce chocolate chip cookie contains 130 calories. A random sample of 15 different brands of 1-ounce chocolate chip cookies resulted in the following calorie amounts. 100 ,125, 150, 160, 185, 125, 155, 145, 160, 130 , 150, 140, 135, 120, 110

- (1) At  $\alpha = 0.1$  level, is there sufficient evidence that the average calorie content is different from 130 calories?

- (2) At  $\alpha = 0.1$  level, is there sufficient evidence that the average calorie content is greater than 130 calories?