

The JETS Challenge

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Challenge 62 – The Hansel and Gretel Challenge

Problem:

In the fable of Hansel and Gretel, the witch is fattening up Hanzel to eat him. When she captures him on Pi Day (March 14), he weighs 82 pound without shoes. She wants him to weigh 125 pounds by Halloween. To gain this weight she feeds him miniature chocolate/peanut butter cup candies. Each bag contains 9 servings of 5 pieces each. Each serving contains 210 calories, and he needs 1,500 calories daily just to maintain his weight. For each 3,150 extra calories he eats, he gains one pound of fat.

How many miniature chocolate/peanut butter cup candies must he eat between now and Halloween?

Solution:

March 14 → October 31 (232 days) 231

1 miniature chocolate/peanut butter cup = 42 calories

Number of Calories Needed	
To Maintain Weight	To Gain 43 lbs.
348,000 calories	135,450

Total calories needed = 483,450 calories

483,450 calories/42 calories per piece of candy

= 11,511 pieces of candy