# Question

According to its nutritional info, a bag of chips has 250 calories per serving. If a 300g bag has 5 servings, how many grams can you eat if your daily calorie target is 2000 and you have already consumed 1800 calories?

### **Annotated Answer**

If the total calorie target is 2000 and I have consumed 1800 calories then I have 2000-1800 = 200 calories left to eat. If each serving of chips has 250 calories and I only have 200 calories left to eat, then I can only eat 200/250 of a serving = 4/5 of a serving We also know that a 300g bag of chips has 5 servings, hence each serving has 300g/5 = 60 grams. If I can only eat 4/5 of a serving, then I can eat only 60g \* 4/5 = 240g/5 = 48 grams #### 48

#### Iteration 1

# **Greedy Decoding Answer**

You have 2000-1800 = 200 calories left for the day. Since each serving has 250 calories, 5 servings have 250\*5 = 1250 calories. Thus, you can eat 1250-200 = 1050 grams of chips. #### 1050

## Sampling Answers

A bag of chips has 5 servings, and you can eat 700/250 = 2.8 servings. Since a serving is 150g, you can eat 2.8\*150 = 420g of chips. #### 420

If the bag has 5 servings, each serving is 250/5 = 50 calories. You have already consumed 1800 calories, so you can eat 2000-1800 = 200 calories more. Since each serving is 50 calories, you can eat 200/50 = 4 servings. Therefore, you can eat 4 servings \* 300g/5 servings = 240g of chips #### 240

If a serving has 250 calories, then the entire bag has  $250^*5 = 1250$  calories. Your daily calorie target is 2000, and you have already consumed 1800, so you still have  $2000^*-1800 = 200$  calories. Since there are 1250 calories in the bag of chips, then you can eat 200/1250 = 0.16 of the bag. There are 300g in the bag, so 0.16 of the bag is  $300^*0.16 = 48$ g #### 48

2000-1800 = 200 calories. 250 calories per serving x 5 servings = 250\*5=1250 calories. 1250-200=1050 calories. So, you can eat 1050/250=4 servings. Thus, you can eat 4 servings x 300g/serving=1200g of chips. #### 1200

If a serving of chips has 250 calories, then 1000 calories contain 1000/250 = 4 servings. If you have already consumed 1800 calories, 2000-1800=200 calories are left. Since 1 serving has 250 calories, 200/250 = 0.8 servings can be eaten. Since 1 serving is equal to 50 grams, then 0.8 servings x 50 grams/serving = 40 grams can be eaten.#### 40

# Iteration 2 Greedy Decoding Answer

A bag of chips has 250 calories per serving and there are 5 servings in a bag, so a bag has 250\*5 = 1250 calories. You have already consumed 1800 calories and your daily calorie target is 2000, so you have 2000-1800 = 200 calories left. A bag of chips has 1250 calories and you have 200 calories left, so you can eat 1250-200 = 1050 grams of chips #### 1050

## Sampling Answers

You still have 2000 - 1800 = 200 calories left for the day. Each serving has 250 calories so 200/250 = 0.8 servings. 0.8 servings is  $0.8 \times 300 = 0.8*300=240$  grams. #### 240

If a 300g bag has 5 servings, each serving is 300/5 = 60g. If a bag of chips has 250 calories per serving, then 60g of chips have 250\*60/100 = 150 calories. If you have already consumed 1800 calories, then you can eat 2000-1800 = 200 calories worth of chips. Since 60g of chips have 150 calories, then 200 calories worth of chips are 200/150\*60 = 120g #### 120

Since a bag of chips has 5 servings and each serving has 250 calories, the whole bag has 5\*250 = 1250 calories. If you have already consumed 1800 calories and your daily calorie target is 2000, then you can still eat 2000-1800 = 200 calories. Since a bag of chips has 1250 calories, then you can eat 200/1250 = 0.16 of a bag. Since a bag of chips weighs 300g and you can only eat 0.16 of a bag, then you can eat 0.16\*300 = 48g #### 48

A serving has 250 calories so 5 servings have 5\*250 = 1250 calories. You have already consumed 1800 calories so you have 2000-1800 = 200 calories left to consume. You can eat 200/250 = 0.8 servings. One serving is 150g so you can eat 0.8\*150 = 120 grams #### 120

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If a serving has 250 calories, 5 servings will have 250\*5 = 1250 calories. If you have already consumed 1800 calories, you can still eat 2000-1800 = 200 calories. Since 1 serving has 250 calories, you can eat 200/250 = 0.8 servings. Since each serving is 50g, you can eat 0.8\*50 = <<0.8\*50=40>>40g #### 40

#### Sampling Answers

If a serving has 250 calories, then a bag of chips has 250\*5=1250 calories. If you have already consumed 1800 calories, then you have 2000-1800=200 calories left for the day. Therefore, you can eat 200/250=0.8 of a bag of chips. In grams, this would be 0.8\*300=240 #### 240

If a 300g bag has 5 servings, each serving is 300/5 = 60g. The nutritional info says a serving has 250 calories, so 60g has 250\*60/60 = 250 calories. If you have already consumed 1800 calories, you have 2000-1800 = 200 calories left. Since 60g has 250 calories, you can eat 200/250 = 0.8\*60 = 48g of chips. #### 48

If a serving has 250 calories, then the whole bag has 250\*5 = 1250 calories. If you have already consumed 1800 calories, then you can eat 2000-1800 = 200 calories worth of chips. Since there are 1250 calories in the whole bag, then 200 calories is equal to 200/1250 = 1/6 of the bag. Therefore, you can eat 300/6 = 50 grams of chips. ### 50

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If a bag of chips has 250 calories per serving, and a 300g bag has 5 servings, then the 300g bag has 250\*5 = 1250 calories. If you have already consumed 1800 calories, then you can eat 2000-1800 = 200 calories worth of chips. Since each chip has 1250 calories, you can eat 200/1250 = 0.16 bags of chips. Since each bag of chips has 300g, you can eat 0.16\*300 = 48 grams of chips. #### 48

# **Sampling Answers**

If a serving has 250 calories, then a bag of chips has 250\*5=1250 calories. If you have already consumed 1800 calories, then you have 2000-1800=200 calories left for the day. Therefore, you can eat 200/250=0.8 of a bag of chips. In grams, this would be 0.8\*300=240 #### 240

If a 300g bag has 5 servings, each serving is 300/5 = 60g. If a bag of chips has 250 calories per serving, then 60g of chips have 250\*60/60 = 250 calories. If you have already consumed 1800 calories, then you can eat 2000-1800 = 200 calories worth of chips. Since 60g of chips have 250 calories, then 200/250 = 0.8 servings of chips can be eaten. Therefore, you can eat 0.8\*60 = 48g of chips.#### 48

A serving has 250 calories and there are 5 servings in the bag, so the whole bag has 250\*5 = 1250 calories. You have already consumed 1800 calories and your daily target is 2000, so you can still consume 2000-1800 = 200 calories. The bag has 1250 calories and you can still consume 200 calories, so you can eat 1250-200 = 1050 grams. #### 1050

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If a serving has 250 calories, and a bag has 5 servings, then the bag has 250\*5 = 1250 calories. If you've already consumed 1800 calories, then you can eat 2000-1800 = 200 calories worth of chips. Since each chip has 1250 calories, then you can eat 200/1250 = 0.16 bags of chips. Since a bag has 300g, then you can eat 0.16\*300 = 48g of chips. #### 48

## Sampling Answers

If a 300g bag has 5 servings, each serving is 300/5 = 60g. If your daily calorie target is 2000 and you have already consumed 1800 calories, you can consume 2000-1800 = 200 calories more. Since each serving has 250 calories, you can consume 200/250 = 0.8 servings more. Since each serving is 60g, you can consume 0.8\*60 = 48g more. #### 48

If a 300g bag has 5 servings, each serving is 300/5 = 60g.mlf your daily calorie target is 2000 and you have already consumed 1800 calories, you have 2000-1800 = 200 calories left. Since a bag of chips has 250 calories per serving, you can eat 200/250 = 0.8 servings. Since each serving is 60g, you can eat 0.8\*60 = 48g of chips. #### 48

A bag of chips has 250 calories per serving, and there are 5 servings in a 300g bag, so the 300g bag has 250\*5 = 1250 calories. If a 300g bag has 1250 calories, and you have already consumed 1800 calories, then you can eat 1250-1800 = -550 calories worth of chips. Since there are 1000 calories in 1 kilogram, then -550 calories is equal to 1000\*-0.55 = 550 grams. #### 550