

Commissary Challenge

The **Zoo Nutrition Team** works hard to provide a healthy, biologically-appropriate diet to each animal in our care. The team aims to ensure that every animal has the right number of calories to maintain a healthy weight, gets the right nutrients, and has good variety in their diet. Use the sample diet information below to help you answer some commissary challenges on the next page!



Black-and-white colobus monkey

Red panda

Black-tailed prairie dog

A.



Broccoli
20 cal



Primate Diet
210 cal



Yam
60 cal



Kale
35 cal



Leafeater Biscuits
250 cal



Alfalfa
30 cal



Potato
20 cal



Green Pepper
20 cal



Green Beans
15 cal



Corn
10 cal

B.



Yam
30 cal



Rodent Pellets
65 cal



Carrots
20 cal



Alfalfa
125 cal



Lettuce
25 cal



Kale
35 cal

C.



Apple
30 cal



Grapes
50 cal



Mealworms
30 cal



Yam
50 cal



Carrots
40 cal



Bamboo
250 cal

Commissary Challenge

- Diets A, B, and C each have a special food item for a specific animal. Take a careful look at each of the 3 sample diets and see if you can pick that special item out to help you assign each animal species to that diet.

- A. _____
 B. _____
 C. _____



- Using the assigned diets, how many calories does one adult **colobus monkey** need? _____
- If a juvenile (kid) **colobus monkey** like Kijini needs half the amount of calories, how many calories does he need? _____
- How many calories of corn does the commissary team need to prepare for 3 adult **colobus monkeys** and 2 juvenile **colobus monkeys** each day? _____
- Using the assigned diets, how many calories does one **red panda** need? _____
- How many calories of apples will the commissary team need to order to feed 4 **red pandas**, for 7 days? _____
- Using the assigned diets, how many calories does one **Black-tailed prairie dog** need? _____
- If the commissary team is having a hard time finding Kale at the store, what vegetables from the **colobus monkeys'** diet could they add to the **Black-tailed prairie dog** diet to keep the total number of calories the same? _____

- Answer Key**
 1. A. Colobus monkey (Primate Diet),
 B. Black-tailed prairie dog (Rodent Pellets),
 C. Red panda (Bamboo)
 2. 670, 3. 335
 4. 40 5. 450
 6. 840 7. 300
 8. Broccoli and Green Beans

Thank you for helping the
 Commissary Team feed the animals!