

RATIO PART-TO-PART PROBLEMS 6:2

In the national park

1) In the national park, the ratio of black bears to grizzly bears is 3:1.



a) If there were 24 black bears, how many grizzly bears would there be? _____



b) If the park had 12 grizzly bears, how many black bears would it have? _____

c) If the total number of black and grizzly bears was 20. How many black bears and how many grizzly bears would it have? _____ black bears, _____ grizzly bears.

2) In the park, the ratio of bald eagle to osprey is 4:6.



a) Write this ratio in its simplest form _____ : _____

b) If there were 12 bald eagles, how many osprey would there be? _____

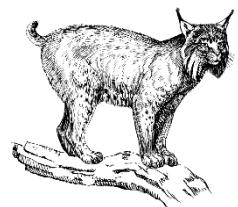


c) If the park had 30 osprey, how many bald eagle would it have? _____

d) If the total number of bald eagles and osprey was 40. How many of each bird would be in the park? _____ bald eagles, _____ osprey

3) The ratio of lynx to mountain lions and wolverines in the park is 2:3:1. So for every 2 lynx, there are 3 mountain lions and 1 wolverine.

a) If there were 6 lynx, how many wolverine would be in the park? _____

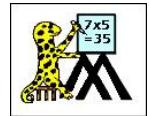


b) If there were 15 mountain lion, how many lynx would be in the park? _____

c) If there were 10 wolverine in the park, how many mountain lions? _____

d) If the total number of lynx, mountain lions and wolverine was 30, how many of each animal would there be in the park?

_____ lynx, _____ mountain lion, _____ wolverine



RATIO PART-TO-PART PROBLEMS 6:2

In the national park

1) In the national park, the ratio of black bears to grizzly bears is 3:1.



a) If there were 24 black bears, how many grizzly bears would there be? **8**



b) If the park had 12 grizzly bears, how many black bears would it have? **36**

c) If the total number of black and grizzly bears was 20. How many black bears and how many grizzly bears would it have? **15** black bears, **5** grizzly bears.

2) In the park, the ratio of bald eagle to osprey is 4:6.



a) Write this ratio in its simplest form **2 : 3**



b) If there were 12 bald eagle, how many osprey would there be? **18**

c) If the park had 30 osprey, how many bald eagle would it have? **20**

d) If the total number of bald eagle and osprey was 40. How many of each bird would be in the park? **16** bald eagle, **24** osprey

3) The ratio of lynx to mountain lions and wolverines in the park is 2:3:1. So for every 2 lynx, there are 3 mountain lions and 1 wolverine.



a) If there were 6 lynx, how many wolverine would be in the park? **3**

b) If there were 15 mountain lion, how many lynx would be in the park? **10**

c) If there were 10 wolverine in the park, how many mountain lions? **30**

d) If the total number of lynx, mountain lions and wolverine in the park was 30, how many of each animal would there be in the park?

10 lynx, **15** mountain lion, **5** wolverine.