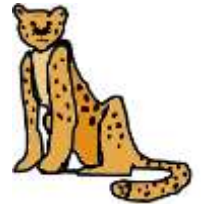




PROBLEM SOLVING - THE CAT FAMILY (METRIC)

Here are facts about some of the members of the cat family.

Name	Average Weight (kg)	Speed (kph)
Cheetah		121
Lynx	26	47
Lion	190	77
Cougar	73	69
Leopard	67	58
Tiger		



1) Use the information below to complete the information in the table:

- The cheetah is 7kg lighter than a leopard.
- The tiger can run 13kph faster than a lynx.
- The tiger is 37kg heavier than a lion.

2) Put the animals in order of weight, from lightest to heaviest.

3) How much heavier is a cougar than a lynx? _____ kg

4) How much faster is a cheetah than a leopard? _____ kph

5) Tyger says "The cheetah is more than twice as fast as a leopard." Is he right? _____

6) Tyger says "A lion is a faster and heavier animal than a tiger." Is he right? _____

7) Tyger says "A cougar would be heavier than 3 lynxes." Is he right? _____



PROBLEM SOLVING - THE CAT FAMILY (METRIC) ANSWERS

Name	Average Weight (kg)	Speed (kph)
Cheetah	60	121
Lynx	26	47
Lion	190	77
Cougar	73	69
Leopard	67	58
Tiger	227	60

1) Use the information below to complete the information in the table:

- The cheetah is 7kg lighter than a leopard.
- The tiger can run 13kph faster than a lynx.
- The tiger is 37kg heavier than a lion.

2) Put the animals in order of weight, from lightest to heaviest.

Lynx Cheetah Leopard Cougar Lion Tiger

3) How much heavier is a cougar than a lynx? 47 kg

4) How much faster is a cheetah than a leopard? 63 kph

5) Tyger says "The cheetah is more than twice as fast as a leopard." Is he right? Leopard is 58kph. Double 58 is 116kph. Cheetah is 121kph. So he is correct.

6) Tyger says "A lion is a faster and heavier animal than a tiger." Is he right? A lion is faster than a tiger but not as heavy so he is wrong.

7) Tyger says "A cougar would be heavier than 3 lynxes." Is he right? Cougar is 73kg. Lynx is 26kg. 3 Lynxes is $26 \times 3 = 78$ kg. He is wrong.