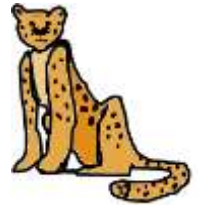




PROBLEM SOLVING - THE CAT FAMILY (STANDARD)

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

Animal	Average Weight (lb)	Speed (mph)
Cheetah		75
Lynx	57	29
Lion	419	48
Cougar	161	40
Leopard	148	36
Tiger		



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

- The cheetah is 16 lb lighter than a leopard.
- The tiger can run 8mph faster than a lynx.
- The tiger is 81 lb 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? _____ lb

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

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 (STANDARD) ANSWERS

Animal	Average Weight (lb)	Speed (mph)
Cheetah	132	75
Lynx	57	29
Lion	419	48
Cougar	161	40
Leopard	148	36
Tiger	500	37

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

- The cheetah is 16 lb lighter than a leopard.
- The tiger can run 8mph faster than a lynx.
- The tiger is 81 lb 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? 104 lb

4) How much faster is a cheetah than a leopard? 39 mph

5) Tyger says "The cheetah is more than twice as fast as a leopard." Is he right? Leopard is 36mph. Double 36 is 72mph. Cheetah is 75mph. 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 161lb. Lynx is 57lb. 3 lynxes are $57 \times 3 = 171$ lb. He is wrong.