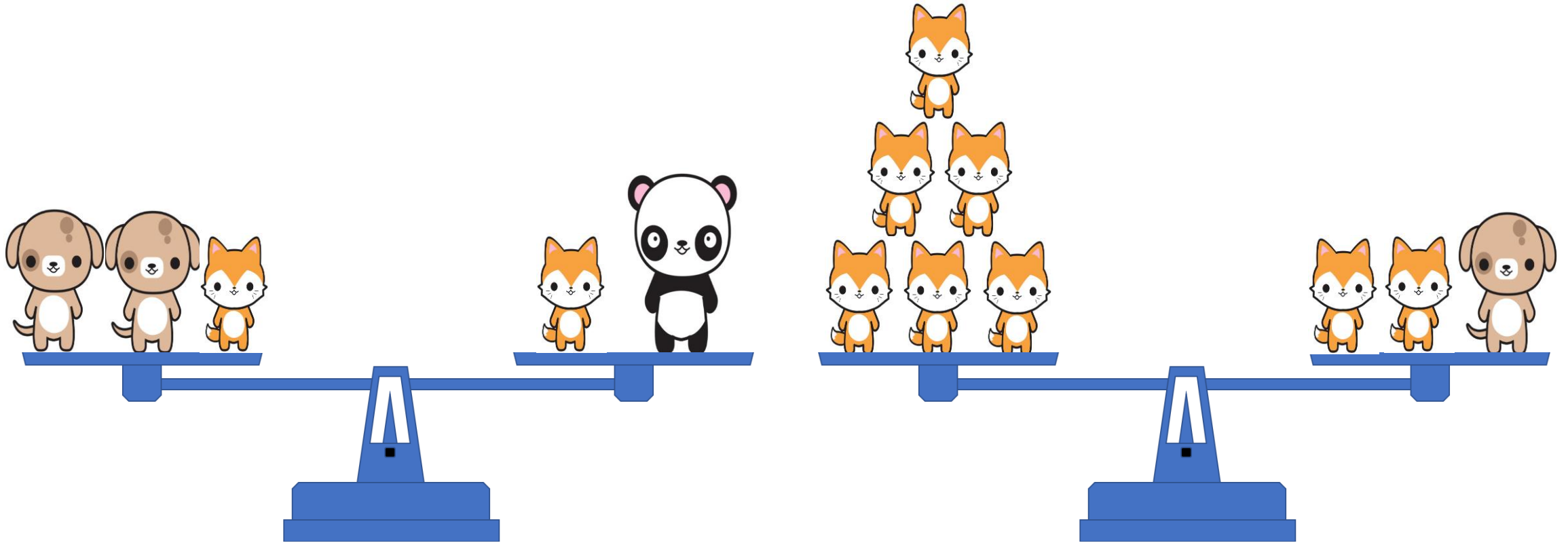
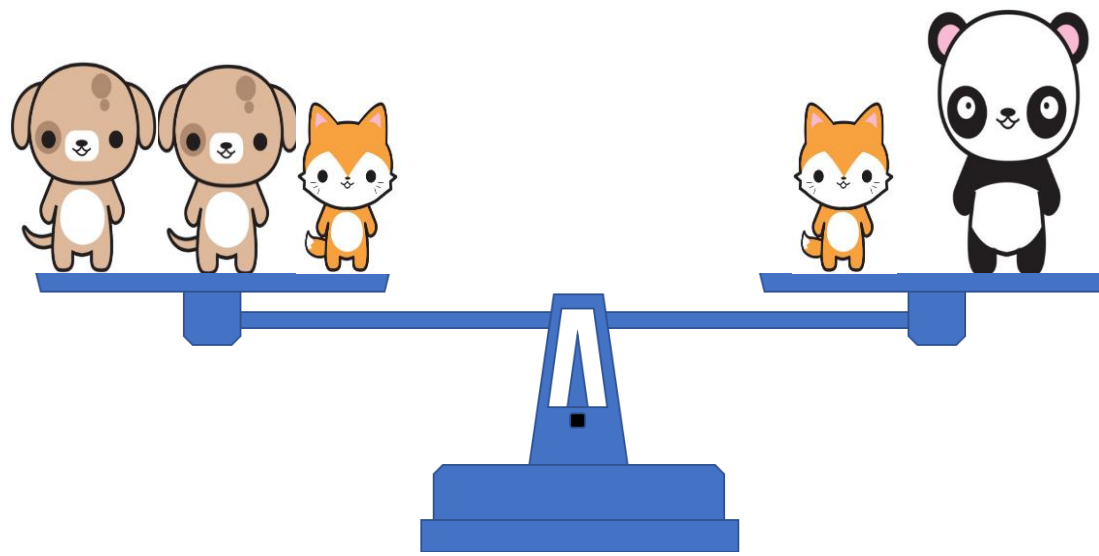


# Panda, dog & cat pan balance



The panda weighs the same as \_\_\_\_ cats.

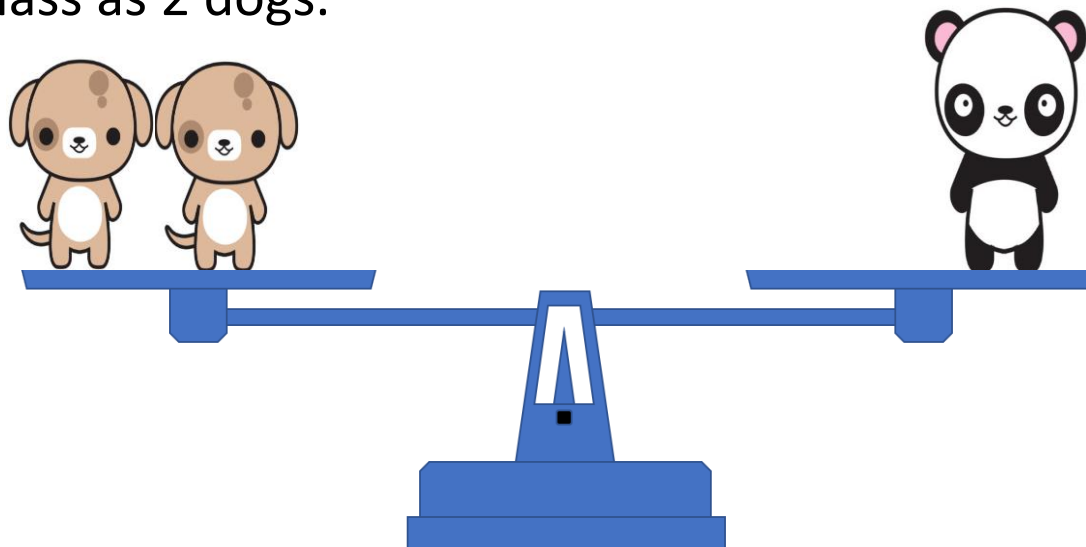


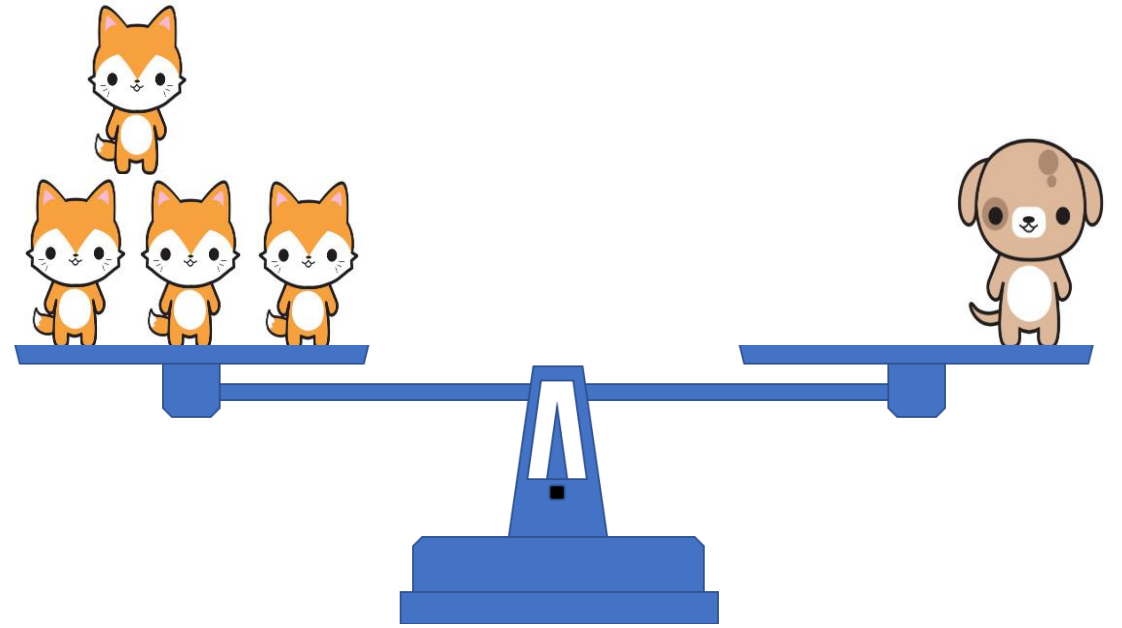
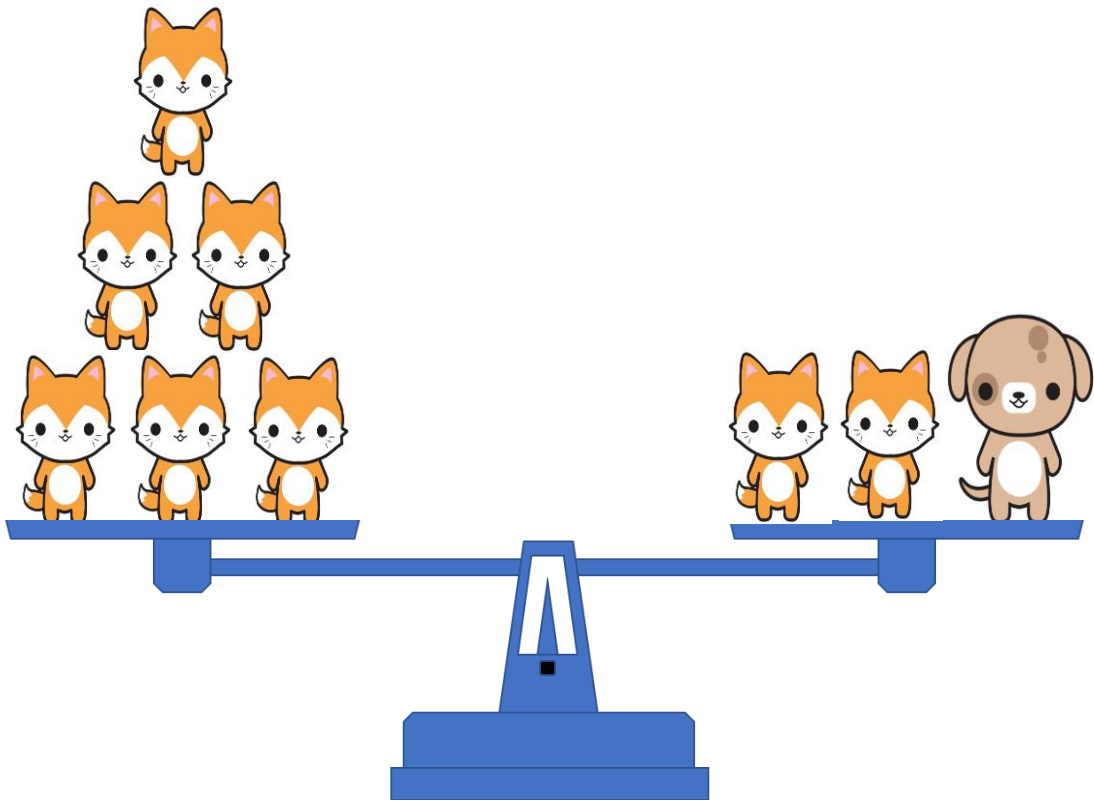
2 dogs and a cat have the same mass as one cat and a panda.

$$2d+c = c + p$$

Take a cat off each balance and the pan balance will still balance.

A panda has the same mass as 2 dogs.



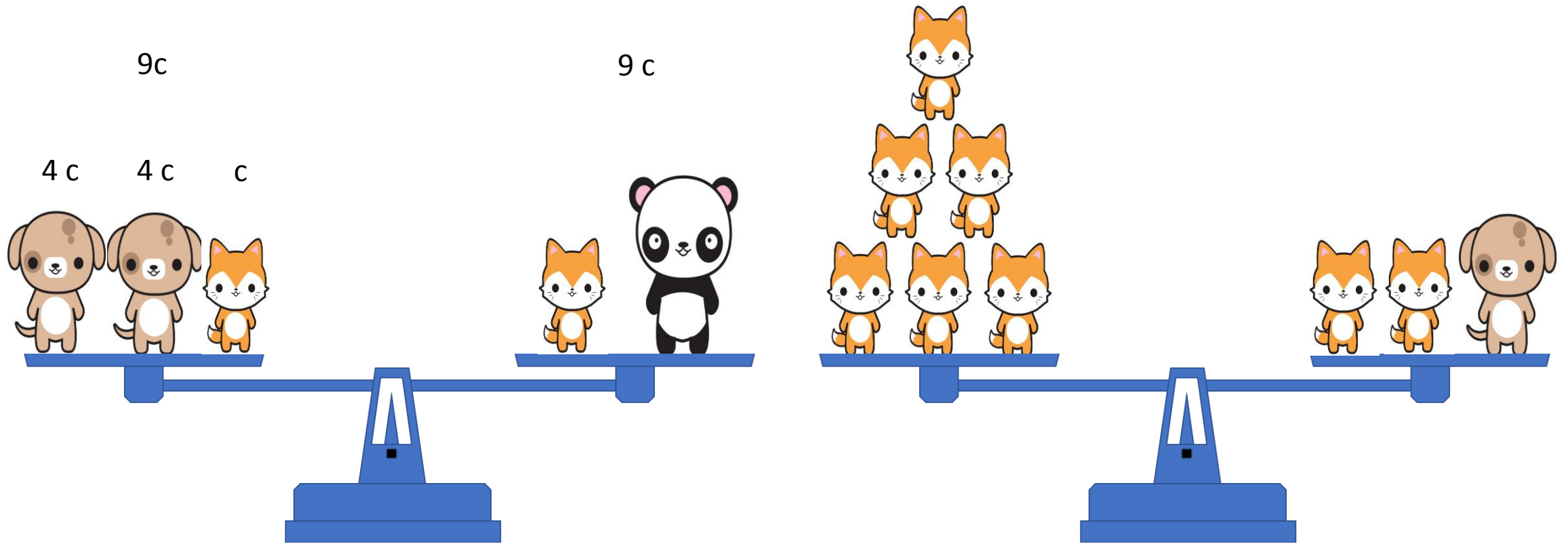


6 cats have the same mass as a cat and a dog.

$$6c = c + d$$

Take 2 cats off each balance and the pan balance will still balance.

A dog has the same mass as 4 cats.



A dog weighs the same as 4 cats.

$$9c - c = 8c$$

The panda weighs the same as 8 cats.