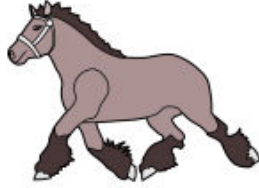


## Mathletes Problem of the Week #6

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### And On This Farm



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a) Old MacDonald had some horses, cows, and pigs on his farm. He had 69 water troughs for these animals to drink from. Horses drank only from the horse troughs, exactly two horses for each trough. Cows drank from cow troughs, exactly three cows per trough. And pigs drank from pig troughs, exactly eight pigs per trough. Old MacDonald's farm has the same number of horses, cows, and pigs.

How many animals does Old MacDonald have on his farm?

b) Old MacDonald also has 20 cats in his house! Every Sunday he gives a total of 92 cat treats to the cats. Every grown cat receives 5 treats and every kitten gets 3 treats.

How many grown cats and how many kittens does Old MacDonald have in his house?

**Solutions & Explanations:** (Solve one or both. Explain your solution(s) below and on the back. Attach more paper if you need to!)

Name \_\_\_\_\_ Class \_\_\_\_\_

(First and last name, please!)

Solutions due: December 7<sup>th</sup>