

# MORE NERD CAMP LOGIC PUZZLES

**FLEABAGS** - submitted by Philip in New York

Two shaggy old dogs were walking down the street. Captain sits down and scratches his ear, then turns to Champ and growls, "If one of your fleas jumped onto me, we'd have the same number." Champ barks back, "But if one of yours jumped onto me, I'd have five times as many as you!" How many fleas are there on Champ?

**ROCK PROBLEM** – submitted by Jin in Korea

There were 30 rocks on the ground. Each rock was some combination of gray, black, and brown (example: it could be gray and black, or black and brown, or all three). There were 7 non-browns and 6 non-grays. How many are all three colors?

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## ANSWER KEY

### FLEABAGS

Captain has 2 fleas and Champ has 4 fleas.

### ROCK PROBLEM

Since there are 6 that do not have gray and 7 that do not have brown, there are 13 all together (6+7) that are missing a color. The rest must be all 3 colors.  $30 - 13 = 17$  rocks that are all 3 colors.