

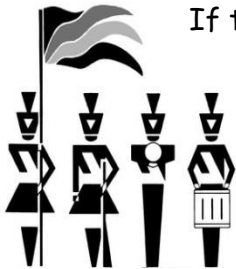
Name _____ Per _____

Tape Diagrams HW

DIRECTIONS: Create a tape diagram for each story problem and solve using the diagram. Show all work for credit.

1) At Planet Fitness the ratio of elliptical machines to treadmills is 6:7. If there are 117 machines in total, how many of each exercise machine are there?

2) The school's marching band has a ratio of 8 musicians to every 3 color guard members.



If there are 35 more musicians than color guard, how many musicians and how many color guard members are there?

3) To pass the Blake physical fitness challenge, you must be able to complete a ratio of 5 sit ups for every 12 jumping jacks. If you are expected to complete 56 more jumping jacks than sit ups how many of each must you complete?



- 4) Tom Brady's career pass attempts to pass completions is shown in a ratio of about 7:9. If THE GOAT completed about 1,812 passes less than what he attempted, how many passes has he attempted over his career?



- 5) At Connie's Cupcakes, the ratio of chocolate to vanilla to funfetti cupcakes sold on an average day is 9:7:5. If Connie's Cupcakes sells 32 more chocolate cupcakes than funfetti cupcakes how many of each are sold and how many in total are sold?



- 6) Look at the tape diagram below for the number of boys and the number of girls at a school. Find the total number of students at the school.

