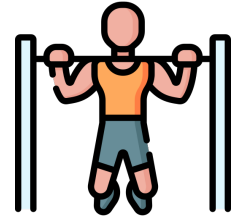


Name: \_\_\_\_\_

## Mixed Operations Word Problems

There are 18 fitness trainers working at a gym. Each trainer has two assistants. There are also six yoga instructors, five physical therapists, and two receptionists on staff.

1.) How many gym employees are **not** fitness trainers?



2.) For a Yoga class, Instructor Ingrid laid out 47 floor mats. If only 31 people showed up for her Yoga class, how many mats were unused?



3.) For Cycling Classes, Instructors Diego, Jeremy, and Gunnar share a music playlist. Diego started the playlist with 62 songs. If Jeremy added another 53 songs and Gunnar added 21 more songs than Jeremy did, how many total songs are on the playlist?



4.) On a Saturday, a football team with 144 players rented out the entire gym for private training sessions. If all 18 fitness trainers are available and all of the players will be evenly assigned to the trainers, how many players will each trainer be responsible for?



5.) **BONUS:** Write an equation using  $x$  and then solve the equation. For every guest signs up for a membership, the gym earns \$45 per month. If  $x$  guests sign up for memberships, the gym will earn \$2,250 per month.



## **ANSWER KEY**

- 1.) 49 employees are not fitness trainers.**
- 2.) There are 16 unused yoga mats.**
- 3.) The playlist has 189 songs.**
- 4.) Each trainer will be responsible for 8 players.**
- 5.) Equation:  $45x = 2,250$**

**Answer:  $x = 50$**