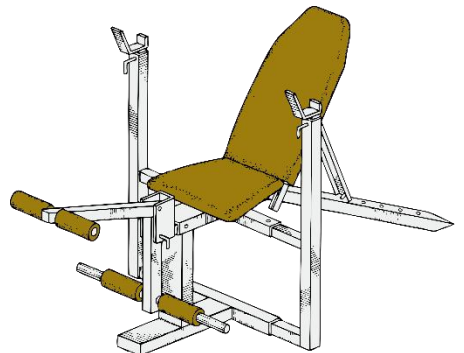


Mixed operations word problems

Grade 5 Word Problems Worksheet

A fitness center has a swimming pool and a gym. There are 3,924 members in the fitness club. There are two kinds of membership: regular and VIP. Each regular member pays \$25 per month and each VIP member pays \$480 per year.

1. There are 2,915 regular members. How many VIP members are there?
2. How much in membership fees does the fitness center receive from the regular members each month?
3. How much more does a VIP member pay than a regular member over a year for the fitness center membership?



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4. For every 30 members, the fitness center must hire 1 staff member for the gym. How many staff members does the fitness center need to hire for the gym?

 5. The lifeguard on duty gets 10 minutes of breaks for every 2 hours he works. How much break time does the lifeguard get during a 6-hour shift?

 6. Write an equation using " x " and then solve the equation. During a promotion for the VIP membership program, the new VIP members received a discount of $\$x$. 34 new VIP members signed up, and the gym received \$13,260 of membership fees from them.

Answers

- $3,924 - 2,915 = 1,009$
There are 1,009 VIP members.
- $2,915 \times 25 = 72,875$
The fitness center receives \$72,875 from the regular members.
- $480 - 25 \times 12 = 180$
A VIP member pays \$180 more than a regular member over a year for the membership.
- $3,924 \div 30 = 130 \text{ R}24$
The fitness center needs to hire 131 staff members.
- $6 \div 2 \times 10 = 30$
The lifeguard gets 30 minutes of breaks during a 6-hour shift.
- $34(480 - x) = 13,260$
 $480 - x = 390$
 $x = 90$
The discount was \$90.