

## Mixed operations word problems

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### Grade 5 Word Problems Worksheet

A stadium has 10,500 seats and 8 VIP boxes. The stadium is divided into 12 equal sections: 2 premium sections and 10 standard sections. A seat at the premium section costs \$48 per game. A seat at the standard section costs \$27 per game.

1. How many seats are there in each section?
2. If there are 35 seats in each row, how many rows are in each section?
3. If all the seats in the premium section are sold out for a game, how much will the stadium get from those ticket sales?





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## Answers

- $10,500 \div 12 = 875$   
There are 875 seats in each section.
- $875 \div 35 = 25$   
There are 25 rows in each section.
- $875 \times 2 \times 48 = 84,000$   
The stadium will get \$84,000 from ticket sales.
- $50 \times 48 - 2,040 = 360$   
A fan can save \$360 by buying the season pass.
- $10,500 - 8,395 = 2,105$   
There were 2,105 tickets left.
- $10,500 + 8x = 10,628$   
 $8x = 128$   
 $x = 16$