

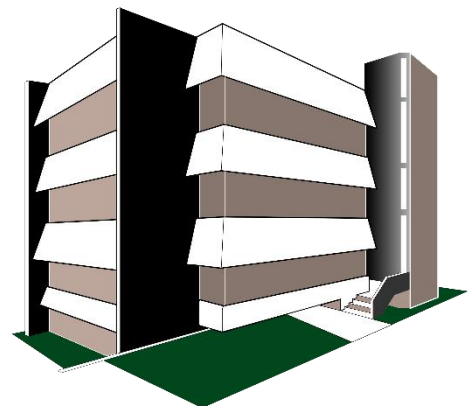
## Mixed operations word problems

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### Grade 5 Word Problems Worksheet

A multi-level parking lot has 6 levels and there are total of 1,327 parking spots.

1. There are 162 parking spots on the first level. The rest of the parking spots are distributed equally on the other 5 levels. How many parking spots are there on the top level?
  
2. On each level, there are 12 spots close to the 3 elevators reserved for drivers with disabilities. How many parking spots are reserved for drivers with disabilities altogether?
  
3. Other than the spots reserved for drivers with a disability, there are 285 parking spots for monthly rentals and the rest are for hourly parking. How many spots are there for hourly parking?



4. The daily parking rate is \$30. If Jack parks his car for 5 days a week and 4 weeks in a month, how much does he pay for parking in a year?
  
  
  
  
  
  
  
  
  
  
5. There were 816 cars parked in the parking lot on Monday morning. At lunch time, 91 cars left the lot. After lunch, 135 cars came back to the parking lot. How many parking spots were left on Monday afternoon?
  
  
  
  
  
  
  
  
  
  
6. Write an equation using "x" and then solve the equation. The hourly rate is \$x. If each car parks at the lot for 7 hours per day and all the parking spots are taken up, the parking lot can receive \$27,867 in a day.

## Answers

- $(1,327 - 162) \div 5 = 233$   
There are 233 parking spots on the top level.
- $12 \times 6 = 72$   
There are 72 parking spots reserved for drivers with disability.
- $1,327 - 72 - 285 = 970$   
There are 970 spots available for hourly parking.
- $30 \times 5 \times 4 \times 12 = 7,200$   
Jack pays \$7,200 for parking in a week.
- $1,327 - (816 - 91 + 135) = 467$   
There are 467 parking spots left on Monday afternoon.
- $1327 (7x) = 27,867$   
 $7x = 21$   
 $x = 3$   
The hourly rate is \$3.