

## Multi-Step Problems

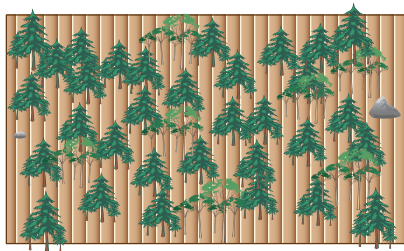
## Sample Problem

Carmelita Huevos bought 360 limes for \$175.00. Since the temperature during rainy season had averaged 78 degrees Fahrenheit, the limes were 50% bigger than they were the last year. She packed the limes in small, green bags of 3 limes each. She gave them to her brother, Jose, and he sold all the bags of limes at \$3.00 per bag. How much money did she make?



## Practice Problem #1

## Multi-Step Problems



Akbar was starting to panic. When he had purchased the 120 acres of forest for the Big Project, he hadn't done his research. Now, the night before the Big Project broke ground, he finds out that  $\frac{2}{3}$  of the trees in the forest housed endangered pygmy flying squirrels, and he wouldn't be able to use them. Akbar knew that only 100 trees grew on each acre, and that this new development wouldn't leave him with enough trees. When his cell phone rang, he knew it was Big Jimmy calling to find out how many trucks he'd need to haul away the harvested trees. If Big Jimmy's trucks can carry 50 trees per truck, how many trucks will Akbar need to remove the trees he can cut down for the Big Project?

## Multi-Step Problems

## Practice Problem #2

It was finally the first sunny day Monty Chaney had seen in weeks. The sunshine meant that Paul, the owner of Four Burly Boys Concrete Company, would bring his crew to finish the concrete work around Monty's house. That day, Austin poured a patio slab that measured 10 yards by 30 yards, while his brother, Brian, poured a sidewalk that measured 30 yards by 2 yards. Out front, Adam finished the driveway which measured 15 yards by 18 yards. At the end of the day, Monty paid Paul \$3,010 for the work, and Paul paid his workers \$3 for each square yard of concrete that they poured. How much money did Paul have left over at the end of the day?



**Hint:** Sometimes it helps to start with the question and "think backward" through the facts to figure out what you need to know.

## Practice Problem #3

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Ben Beagle smiled contentedly as he reached for the bank's door. He had just wrapped up the most successful week in Canine Aquatic Temple (C.A.T.) history. On Monday, the C.A.T. had opened its doors at 8 a.m. By the end of the day, there had been a record 427 visitors! Tuesday through Friday had seen daily attendance decreases by exactly 12 visitors each day, compared to the previous day. With each visitor paying an entrance fee of \$1.25, Ben Beagle had raked in an enormous amount of money. But unbeknownst to Ben, had just stepped into the middle of a bank robbery in progress. Five flying squirrels, wearing tunics made out of what appeared to be dish towels, stood at the counter, brandishing rubber-band guns. Once they saw Ben, the squirrels snatched the money from Ben's grasp, and exited the bank in a flash. If the squirrels split the money equally, how much would each squirrel receive?

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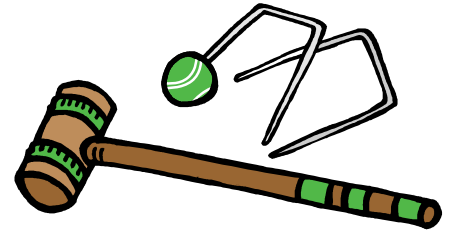
**Hint:** A table can help you organize the information you know.

Day:	Number of Visitors:
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

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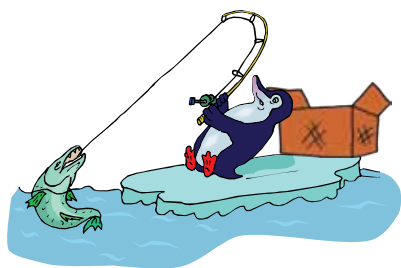
## Practice Problem #4

Old Man Jenkins waited impatiently by the mailbox. If it didn't come today, he would be in a pickle. That afternoon, the residents of Shady Acres would all gather at the local croquet field for the Biannual Crankypants Walk-a-thon. Old Man Jenkins' sponsors had promised that for every kilometer he walked today, he would earn \$57 to put towards this year's Senility Ball. But if his new cane didn't arrive soon, he wouldn't be able to walk even one of the square croquet field's 125 m sides. Just as he thought all hope was lost, Babs' mail truck screeched to a halt in front of him, and she handed him a package from eBay. The package measured 25 in by 5 in by 3 in and contained his fancy new cane! Arriving at the field in the nick of time, Old Man Jenkins walked at a brisk pace and circled the entire field 8 times before the walk ended. How much money did Old Man Jenkins earn for the Senility Ball?



## Practice Problem #5

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The penguins at the Gubba Bump Fish Company were exhausted. The guy in the red suit was working their flippers to the cartilage. There were no happy feet on the ice that day, yet they persevered. The waddle of penguins diligently stuffed 10 fish in every box—no exceptions. At the end of the day, the guy in the red suit sailed away with a ship packed with 488 boxes of fish. He promised to sell as many individual fish as he could and send  $\frac{3}{8}$  of the proceeds back to the penguins. If the guy in the red suit sells  $\frac{7}{8}$  of the fish for \$2 each, how much will the penguins earn for their hard labor?