

* Write the 5 hints for solving story problems

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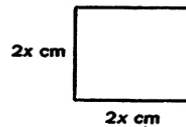
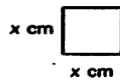
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PRACTICE PROBLEMS: SOLVING EQUATIONS

- The sum of two numbers is 231. The larger is twice the smaller. What are the numbers?
- The length of a rectangle is three times the width. If the perimeter is 80 feet, what are the dimensions.
(Reminder: The perimeter is the sum of all sides added together.)
Remember to draw the figure.
- The length of a rectangle is 6 less than twice the width. If the perimeter is 60 inches, what are the dimensions? (Draw a figure.)
- A man earns \$1000 more than 3 times what his son earns. If the total amount of what they both earn is \$29,000, how much money did the father and son each earn?
- Two tuna boats start from the same port at the same time, but they head in opposite directions. The faster boat travels 10 knots per hour faster than the slower boat. At the end of 8 hours, they were 272 nautical miles apart. How many nautical miles had each boat traveled by the end of the 8-hour period?

6.



The length of the larger square is twice as large as the length of the smaller square. If the sum of their perimeters is 648 centimeters, what is the length of each square?

- A man's will left \$75,000 to his wife, son, and daughter in such a way that his son's share was 3 times the daughter's share, while the wife received as much as the son and daughter together. How much did each receive?

Hint: Let x = daughter's share.