

MasterMath

Name _____

Writing Equations in One Variable

Date _____

CUCCV

Please CUCCV each word problem, write an equation and solve the problem.

1. Elsie had decided that she wanted to be a bookkeeper like her Aunt Freda. She knew that she needed to be good at math in order to become a bookkeeper, so she promised herself that she would make at least a B in math. In order to earn a B grade, she knew she needed at least an 80% average on tests. So far she has gotten a 65%, a 90%, and a 86% on her math tests. What is Elsie's current test average in math?

equation	answer

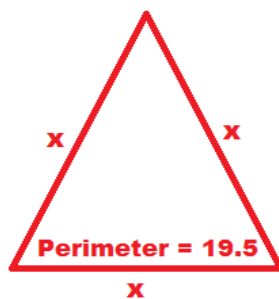
2. You and your brother wanted to buy a trail bike that costs \$428. You had ridden your friend's trail bike at Pumpernickle State Park, and it was lots of fun. You decided to start a leaf-raking business, and hoped you could earn enough doing that to pay for the bike. You discovered that people would pay you \$15 to rake their leaves. How many lawns will you have to rake in order to be able to buy the bike?

equation	answer

3. Half of your friends have brown hair. One-third of your friends have black hair. The rest have either yellow or red hair. What fraction of your friends have yellow or red hair?

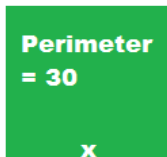
equation	answer

4. Write an equation, and solve for x:



equation	answer

5. Write a formula to determine the value of x for this square, and then determine what x equals.



equation	answer