Name _____ Period _____ **Due Date: Sept. 14, 2015**

PAP Weekly Assignment 1.2

For each problem, write an inequality and solve the inequality and answer in a complete sentence.

1. The width of a rectangle is 12 inches. What must the length be if the perimeter is at least 180 inches? Draw a picture.	2. At the San Diego Zoo, you can either pay $22.75 for the entrance fee or $71 for the yearly pass, which entitles you to unlimited admission. At most, how many times can you enter the zoo for the $22.75 entrance fee before spending more than the cost of a yearly membership?
3. Briana's scores for four tests were 82, 95, 86, and 88. What will he have to score on his last test to average at least 90 for the term.	4. Hailey's Scout Troop is trying to raise at least $650 this spring. How many boxes of cookies must they sell at $4.50 per box in order to reach their goal?

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5. Mandy needs at least $190 for a Schwinn bike. She has saved $42. If she earns $8.75 an hour, how many hours must she work to raise this money?

6. The width of a rectangle is 16 inches. Its area is greater than 180 square inches. What is a possible length of the rectangle?

7. Suppose that a company's budget requires it to spend at least $20,000 but no more than $30,000 on training for its employees. The cost of training is the combination of a flat fee of $5,000 plus $500 per employee. If the company has M employees, how many employees work for this company?