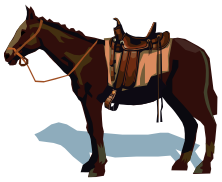
Name: _____ Date: _____

Going to the Dogs

Ben is building a fenced in area for his two dogs. He wants to make a rectangular yard for the dogs. He has 24 feet of fencing that he can use to make the largest area for the dogs to play in and live.

- Use the graph paper below to draw two different rectangular yards Ben could make for the dogs using all 24 feet of fencing. The side of each small square is one foot.
- Label the measure of each side of the rectangles.
- Mark one rectangle A and the other rectangle B.
- Ben wants to make the largest rectangular dog pen so his dogs have the most room to play and run around. Which rectangle (A or B) should he choose to build? Explain how you know this.

Name: _____ Date: _____



Horsin' Around

Jen is building a fenced-in yard for her horse. She wants to make a rectangular yard. She has 30 feet of fencing that she can use to make the largest area for her horse to play in after their morning ride.

- Use the graph paper below to draw two different rectangular yards Jen could make for her horse using all 30 feet of fencing. The side of each small square is one foot.
- Label the measure of each side of the rectangles.
- Mark one rectangle A and the other rectangle B.
- Jen wants to make the largest rectangular dog pen so her horse has the most room to play. Which rectangle (A or B) should she choose to build? Explain how you know this.