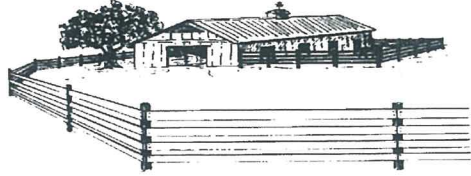


Grade 2 Summer Mathematics Homework- Measurement Project

Out in the Barnyard!

Farmer Faye has hired you to order and buy all the fencing she needs for her new farm. She needs several fenced in areas for her animals and also all the way around the farm to keep the neighbors' cows off **her** property. You are in charge of how much fencing each area will need and how much it will cost.



Be resourceful! Think about which animals **Farmer Faye has** on her farm and how many different rectangles of fencing will be needed.

Students will:

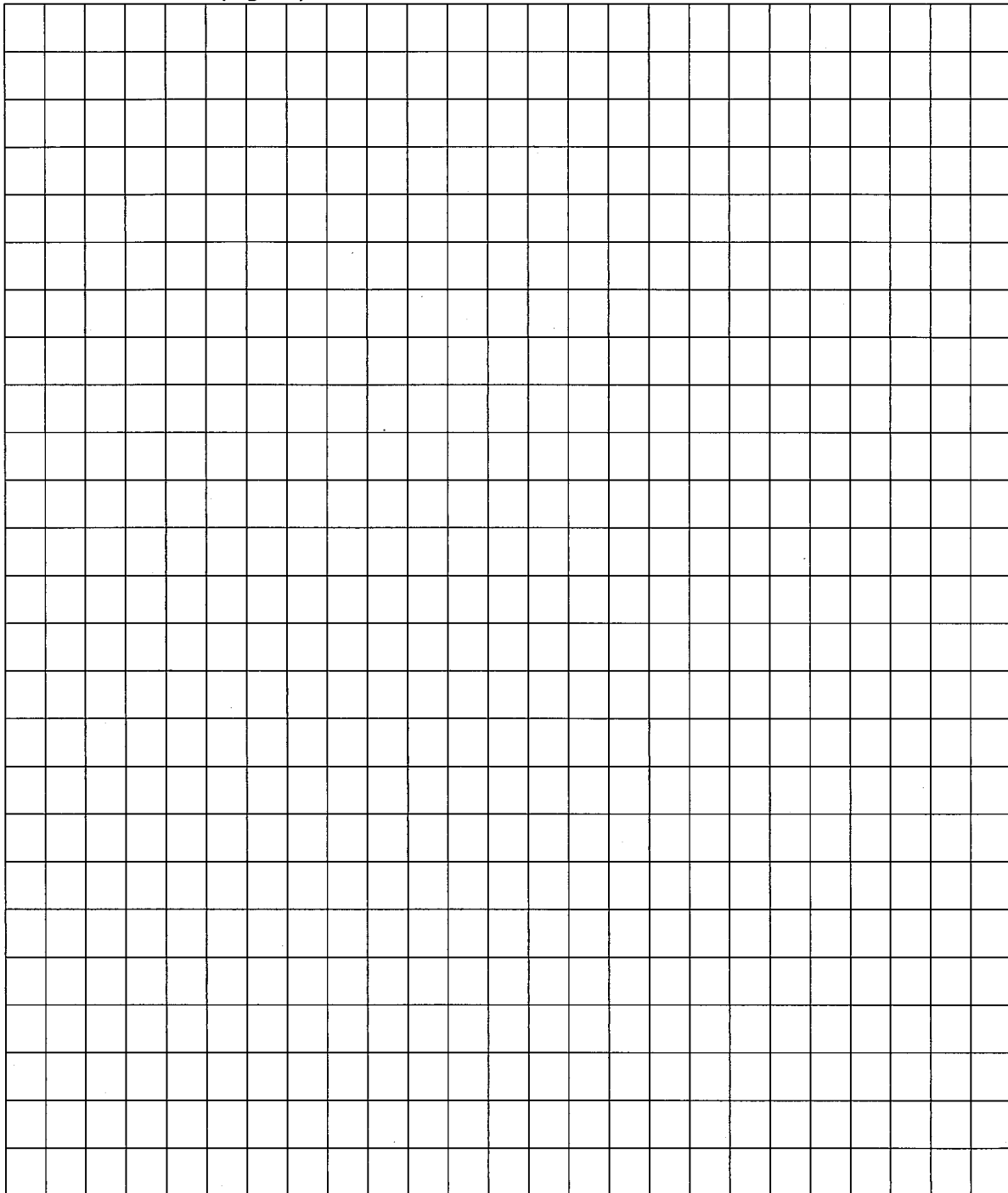
1. Make a list of animals Farmer Faye will have on her farm.
2. Rank order them from which animal needs the most amount of space to live to the one which will need the least.
3. Sketch a drawing of Farmer Faye's barnyard, including where to place the animals and where the fences will be. Several copies of the graph paper can be cut and pasted together if needed.
4. Figure out how much fencing will be needed for each animal pen. Remember to add the fence that goes all the way around the farm!
5. Add all of the perimeters together to get the total amount of fencing needed.
6. Contact a local home improvement store, look in advertisements, or online to find the price of fencing. Use a calculator to figure out how much it would cost Farmer Faye to have all the fencing she needs.

- Website for perimeter: <http://www.funbrain.com/cgi-bin/getskill.cgi>
- Place Value Game: <http://education.jlab.org/placevalue/gamepage.html>

Name: _____

Out In the Barnyard Sketch

Use more than one page if you need to.



= _____

(How many feet? Yards? Meters?)

Name: _____

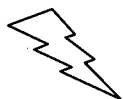
Out in the Barnyard Perimeters

animal	side one	side two	side three	side four	perimeter

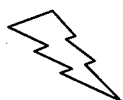
Total perimeter _____

Fencing costs _____

Length of fence X cost = \$ _____ total



Challenge #1 - How much would each animal's fence cost?



Challenge #2 - What is the AREA of each animal's area and the total area of Farmer Faye's farm?
