

# Manure Day A Resource For Planning

We need to figure out how much manure we need to buy to feed our gardens. Manure is sold by cubic yards (3 feet wide by 3 feet long by 3 feet high).

Go outside and find the area of our gardens. To do this you will need: • A Yardstick • This paper • A clip board • A pencil

Measure the length and the width of a rectangle shaped garden. Multiply the length times the width to find the area of the garden.

Length \_\_\_\_\_ x width \_\_\_\_\_ = \_\_\_\_\_ area in square feet.

Now find the number of gardens that are the same shape and size and multiply the area above by the number of gardens.

Area \_\_\_\_\_ x Number of gardens \_\_\_\_\_ = \_\_\_\_\_ total area of all the rectangle shaped gardens.

Now find the area of the irregular shaped gardens. Here is a hint: To find the area of a triangle you multiply the height of the triangle by half its base. See Mrs. Ross if you get stuck.

Irregular shaped garden area = \_\_\_\_\_

Now find the number of gardens that are the same shape and size and multiply the area above by the number of gardens.

Area \_\_\_\_\_ x Number of gardens \_\_\_\_\_ = \_\_\_\_\_ total area of all the irregular shaped gardens.

Now add the total area of both kinds of gardens together to get the area we need to cover with manure.

Total area of rectangles \_\_\_\_\_ + total area of irregulars \_\_\_\_\_ = total area to be covered \_\_\_\_\_.

We want at least 4 inches of manure covering each garden. To figure out how much manure we need, use the following formula:

Total Area times .33 divided by 27 = required number of cubic yards of manure. (use a calculator)

How much manure do we need for our gardens? \_\_\_\_\_