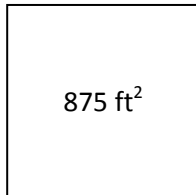
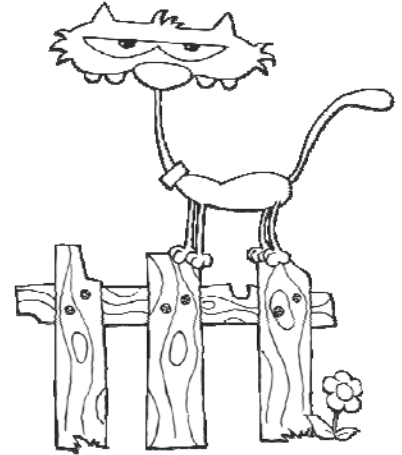


Name _____

Date _____

Estimating Square Roots Application Word Problems Lesson

Mark wants to fence in his square backyard. He measures his backyard to be 875 square feet. Fencing is sold by the foot, how many feet of fencing will Mark need?



Explanation:

$\sqrt{\text{Square Footage}} = \text{length or width of yard.}$

$$\sqrt{875} = 29.58 \text{ feet}$$

Mark will need 29.58 feet for each of the 4 sides.

$$29.58 \text{ feet} \times 4 = 118.32 \text{ feet of fence}$$

