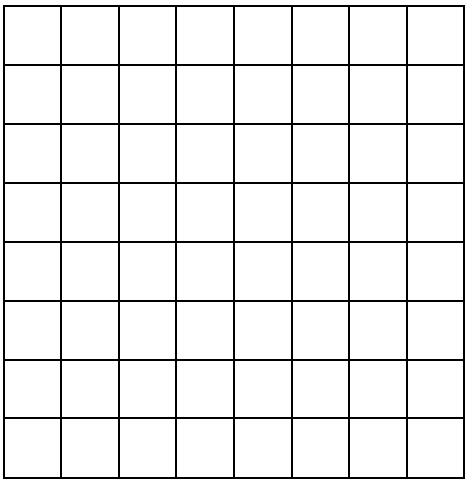
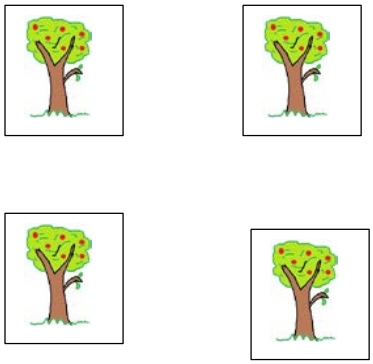
Orchard #2 is 8ft x 8ft = 64ft^2 and has 4 trees.



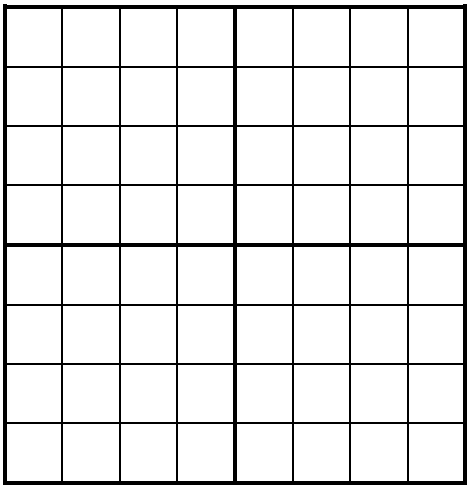


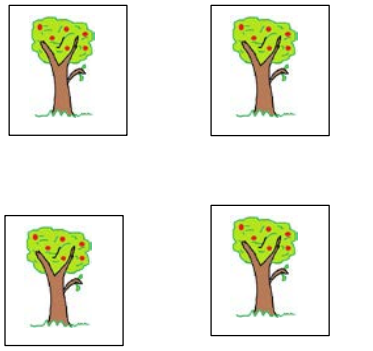
How much space is needed for one tree?

$\frac{64^2}{4\ trees} = \frac{?^2}{1\ tree}$ to get one tree, student should divide the group of trees by four $\frac{64^2}{4\ trees \div 4} = \frac{?^2}{1\ tree}$.

If the student divides the trees by four, she/he must divide the area of the orchard by four

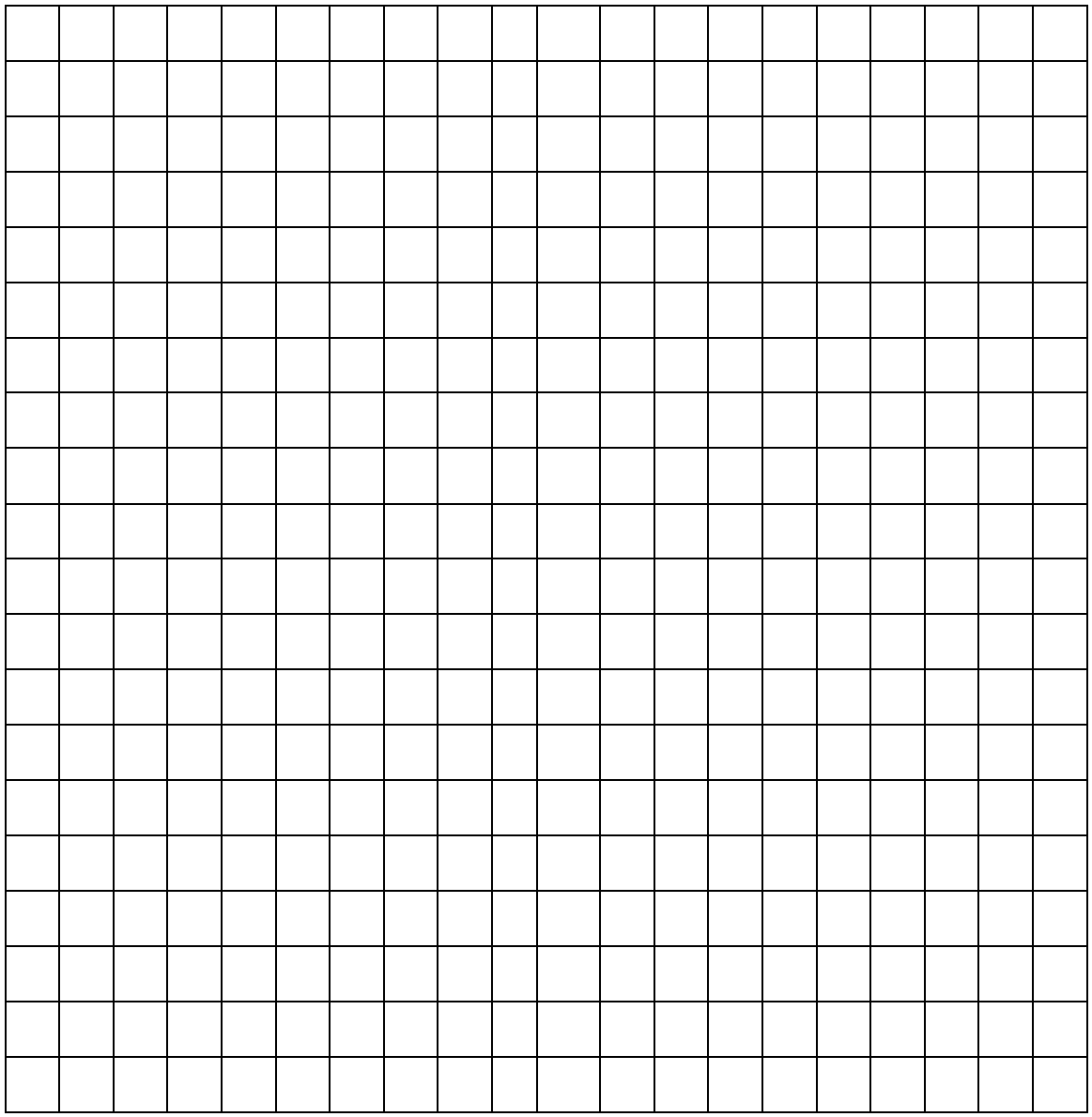
$\frac{64^2 \div 4}{4\ trees \div 4} = \frac{?^2}{1\ tree}$





Orchard #5 is 20ft x 20ft

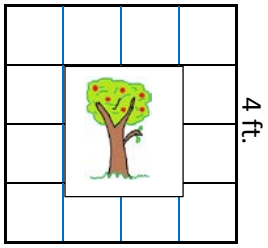
20 ft.



20 ft.

Unit rate $16ft^2$ per tree

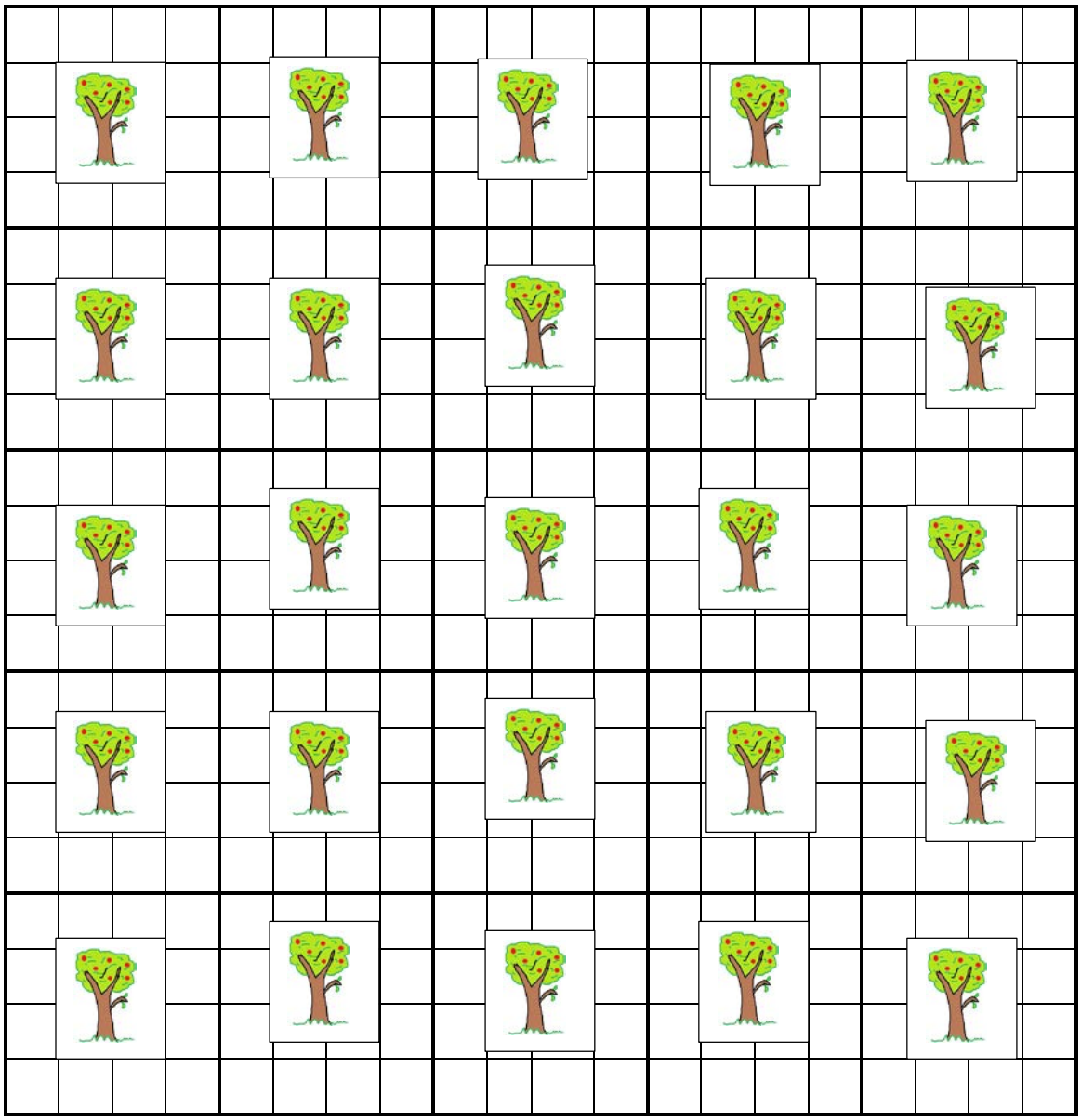
4 ft.



4 ft.

The unit rate is area per tree:

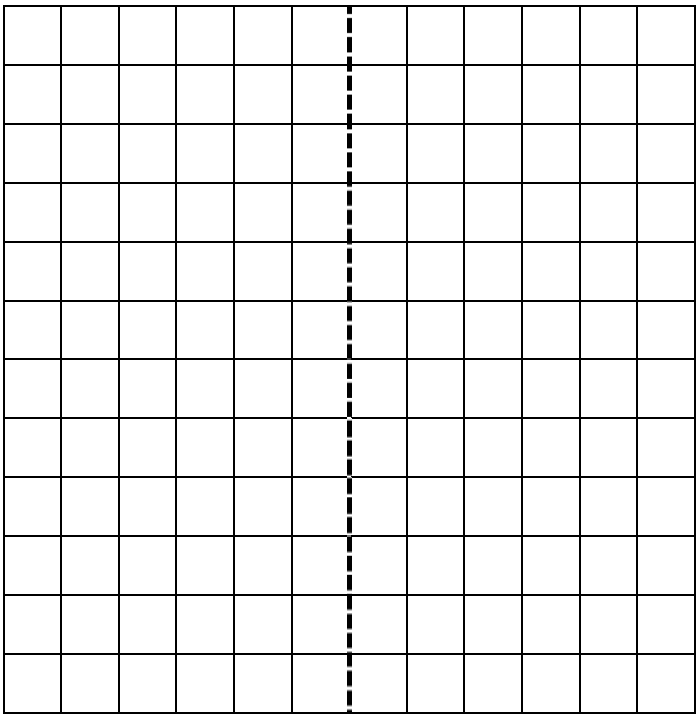
20 ft.



20 ft.

Orchard #3 + 25% Orchard #3

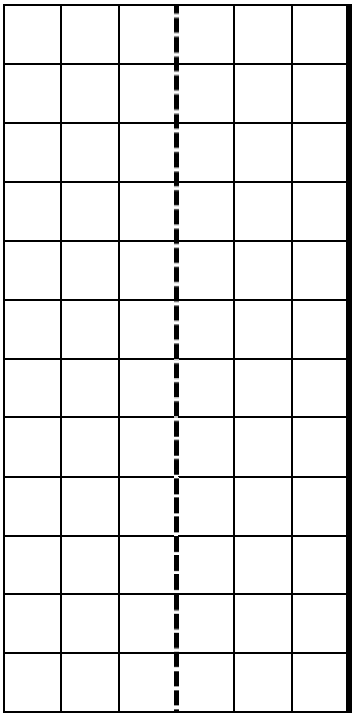
12 ft.



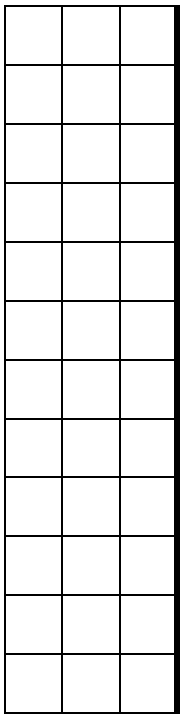
12 ft.

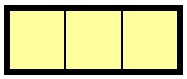
Fold in ½

6 ft.

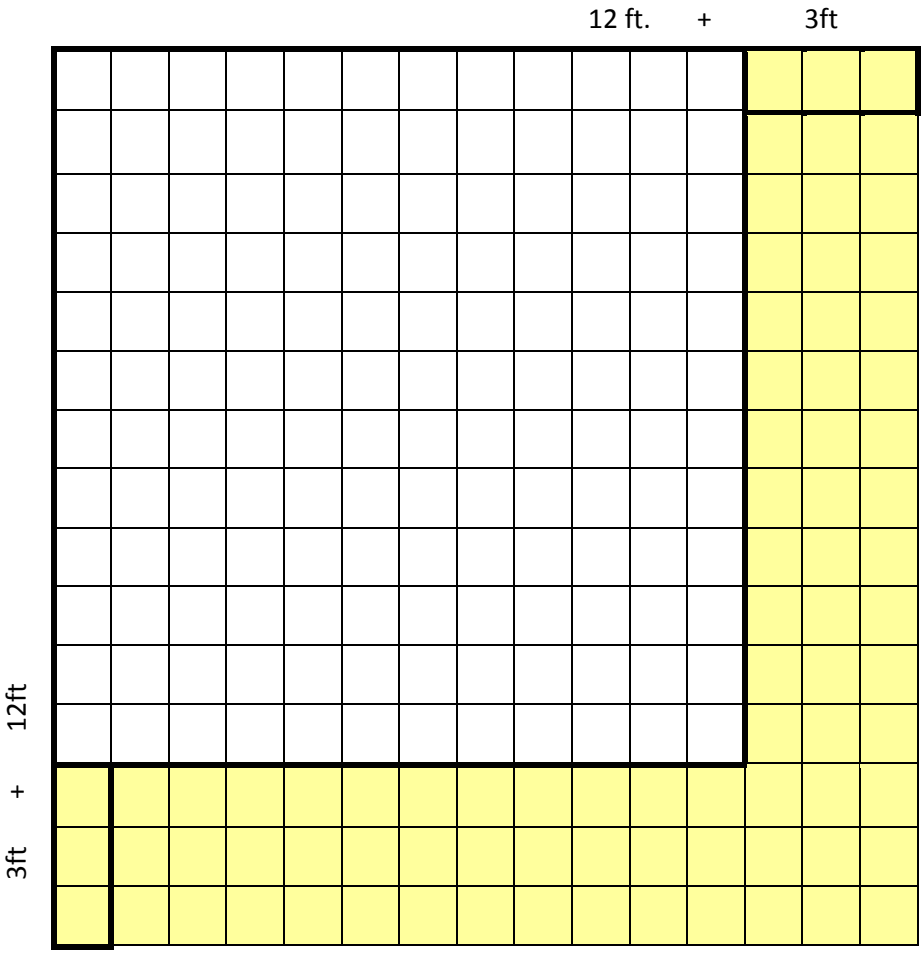


3 ft.





25% of the unit length of 12ft is 3ft

Fold in ½ again to make ¼

Orchard #3 + 25% Orchard #3