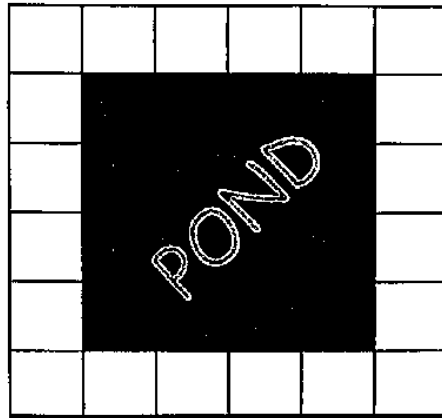


A garden centre sells ponds that it makes to a special design. A path made of paving slabs 1 foot by 1 foot surrounds each pond.

This pond is 4 feet by 4 feet and it will take 20 paving slabs to surround it.



Draw ponds that are 1ft by 1ft, 2ft by 2ft, etc and count the number of paving slabs needed. Think about how you will record your results.

What happens to the number of slabs each time the size of the pond increases?

Use this rule to predict the number of slabs needed for ponds up to 10ft by 10ft.

Can you find a quicker way of working out the number needed for a pond 20ft by 20ft?

Test your idea and then try to find a rule that can be used for any size of pond.