

NINE HOLE GOLF COURSE

Prince George is getting a new 9-hole golf course, which is going to be built on a treed lot just outside of town. Your task is to come up with a layout for the golf course.

Here are a few things that the owners of the golf course would like you to keep in mind:

- par is the number of shots required of complete a hole in regulation
- there must be two par-3 holes, five par-4 holes, and two par-5 holes
- a par-3 must be between 150 and 200 metres in length
- a par-4 must be between 250 and 400 metres in length and can have a bend in it
- a par-5 must be between 400 and 500 metres in length — at least one par-5 must have a bend in it
- all fairways are between 50 and 100 metres wide
- hole #1 must start near the clubhouse and hole #9 must end near the clubhouse
- can never be two par-3 holes or two par-5 holes in a row
- successive holes should follow each other closely
- a pond in the middle of the property that you need to work around
- there must be some trees left on the property
- must include a clubhouse and a parking lot

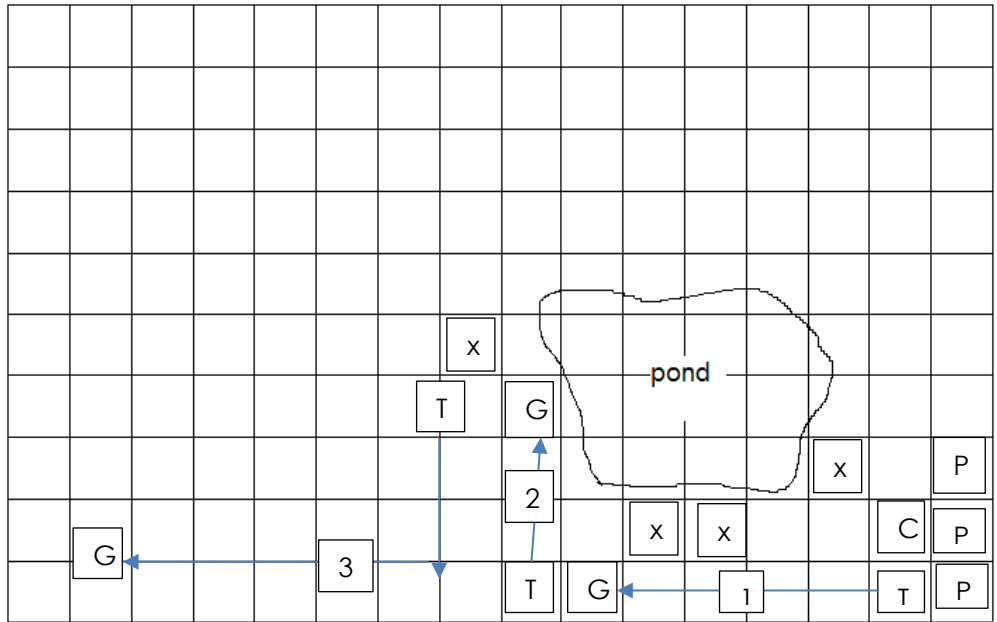
To help you with your design and layout you have been provided with a scaled map of the property (every square is 50m x 50m). Present your final design on a copy of this map.

- number the holes
- indicate tee boxes with the letter T
- indicate greens with the letter G
- indicate trees that are going to be left with the letter X
- indicate the clubhouse with the letter C
- indicate the parking lot with the letter P

Here are some hints:

- golf course designers often place the clubhouse near water — it is pretty
- you may want to have the parking lot and clubhouse near the edges or corners of a property
- feel free to print and complete by hand — this is probably the best way to do the activity
- if you cannot print used lined or graph paper and a ruler to make a 16 x 10 grid
- to do on the computer use Insert to put in text boxes for the letters and shapes for the arrows
- there is more than one grid as you may need to experiment a lot — you do not have complete more than one design
- make sure our final design is clear and legible
- how you complete the golf course is up to you — just follow the rules

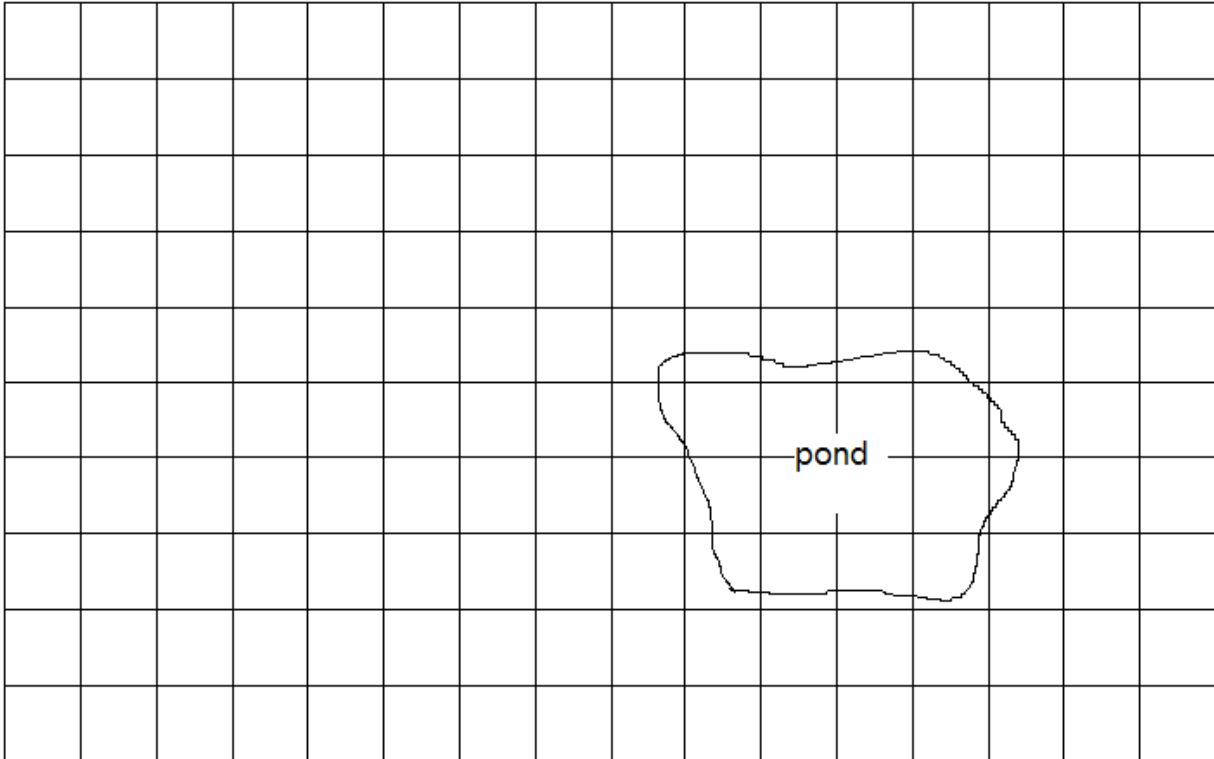
- below I have shown how you could start the golf course



- Hole #1 — par 4 — 300 metres
- Hole #2 — par 3 — 200 metres
- Hole #3 — par 5 — 450 metres
- Hole #4
- Hole #5
- Etc.

Nine Hole Golf Course – work grid

Design your Golf Course



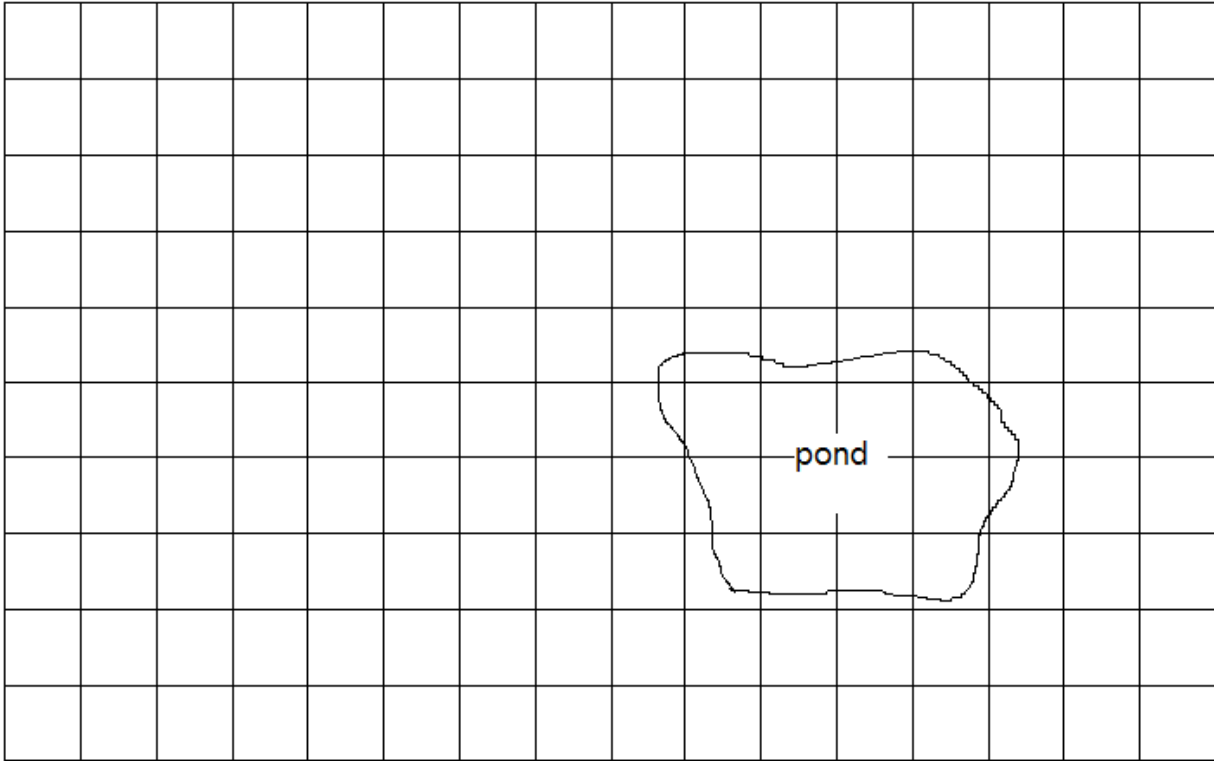
Complete the following chart

- Hole #1 — par _____ — length = _____ m
- Hole #2 — par _____ — length = _____ m
- Hole #3 — par _____ — length = _____ m
- Hole #4 — par _____ — length = _____ m
- Hole #5 — par _____ — length = _____ m
- Hole #6 — par _____ — length = _____ m
- Hole #7 — par _____ — length = _____ m
- Hole #8 — par _____ — length = _____ m
- Hole #9 — par _____ — length = _____ m

Answer the following: If an acre of land is equal to 4046.86 m², how many acres does the entire property cover (round your answer to the nearest acre)? _____ acres

Nine Hole Golf Course – work grid

Design your Golf Course



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- Hole #2 — par _____ — length = _____ m
- Hole #3 — par _____ — length = _____ m
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