# MARIOKART

❶ Open *Scratch*: 🌐 ➡ scratch.mit.edu ➡ Create

**Google Chrome**

❷ Paint a **simple** rack track for the backdrop:

New backdrop:

**Make the road wide!** ➡

⬅ **Paint a finish line!**

❸ Right-click on the cat to delete it.

duplicate
delete
save to local file
hide
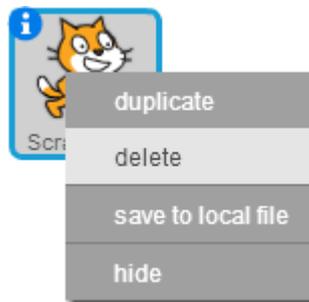
❹ Paint a **simple** car from above, facing right:

New sprite: ✏

🔍 = 🔍
100%
*Zoom out to 100%.*
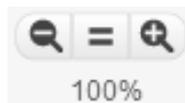
Set Costume Center
*Set the costume centre to the middle of your car.*
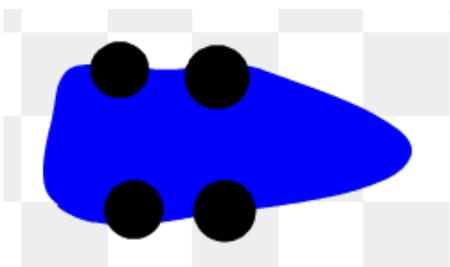
It must be small enough to fit on your track!

*Click this button at the top of the screen to shrink the car if needed so that it can fit on the track.*

❺ Click on the scripts tab for your car and then copy these commands:

```
when up arrow ▾ key pressed
move 4 steps

when down arrow ▾ key pressed
move -4 steps

when left arrow ▾ key pressed
turn ↻ 15 degrees
move 4 steps

when right arrow ▾ key pressed
turn ↺ 15 degrees
move 4 steps

when ⚑ clicked
point in direction 90 ▾
go to x: -228 y: 70

when ⚑ clicked
forever
    if  touching color ⬜ ?  then
        say Bad luck! for 2 secs
        go to x: -228 y: 70
        point in direction 90 ▾

when ⚑ clicked
wait until  touching color 🟪 ?
say Well done! for 2 secs
say  timer - 2

when ⚑ clicked
reset timer
```

Put the car back at the start for a new race.

Change the x: and y: numbers to your start position's X and Y co-ordinates.

If your car touches the grass then put it back to the start.

Change to the colour of your grass.

Change the x: and y: numbers to your start position's X and Y co-ordinates.

Show your race time. (Remember to tick the box to show the timer.)

If your car touches the finish line then say "Well done!"

*Test your game regularly to check it works and so you can debug any mistakes!*

❻ Extra challenges to improve your game:

*Can you change the race track so it is more challenging?*
*Can you add sound effects to different parts of the game?*
*Can you paint obstacles to avoid? (If touching colour then go back to the start.)*