



COUNTING IN 2s & 6s

It was a busy night in Rusty's Repair Shop, deep in the heart of the Scrapheap, when the doors swung open with a loud BZZZT! In stumbled HippieBot, RaceBot, and a slightly sparking GamerBot, looking more confused than usual.

"Help, Rusty!" HippieBot beeped.

"Our circuits are all scrambled!" groaned RaceBot.

"My number scores are glitching!" added GamerBot.

"I can't level up!"

Rusty took one look and gasped. **"Missing numbers... tangled sequences... a total number meltdown! We need help - fast!"**

INSTRUCTIONS TO STUDENTS:

Rusty and the Bots need your help! Can you complete the number patterns and repair the circuits?

LEARNING FOCUS:

- Skip counting in 2s and 6s
- Identifying and completing number patterns
- Building fluency in mental maths



Help fix HippieBot

COUNTING UP IN

2s

CIRCUIT ROUTE

Help HippieBot finish their number sequence! Count up in 2s to power it up:



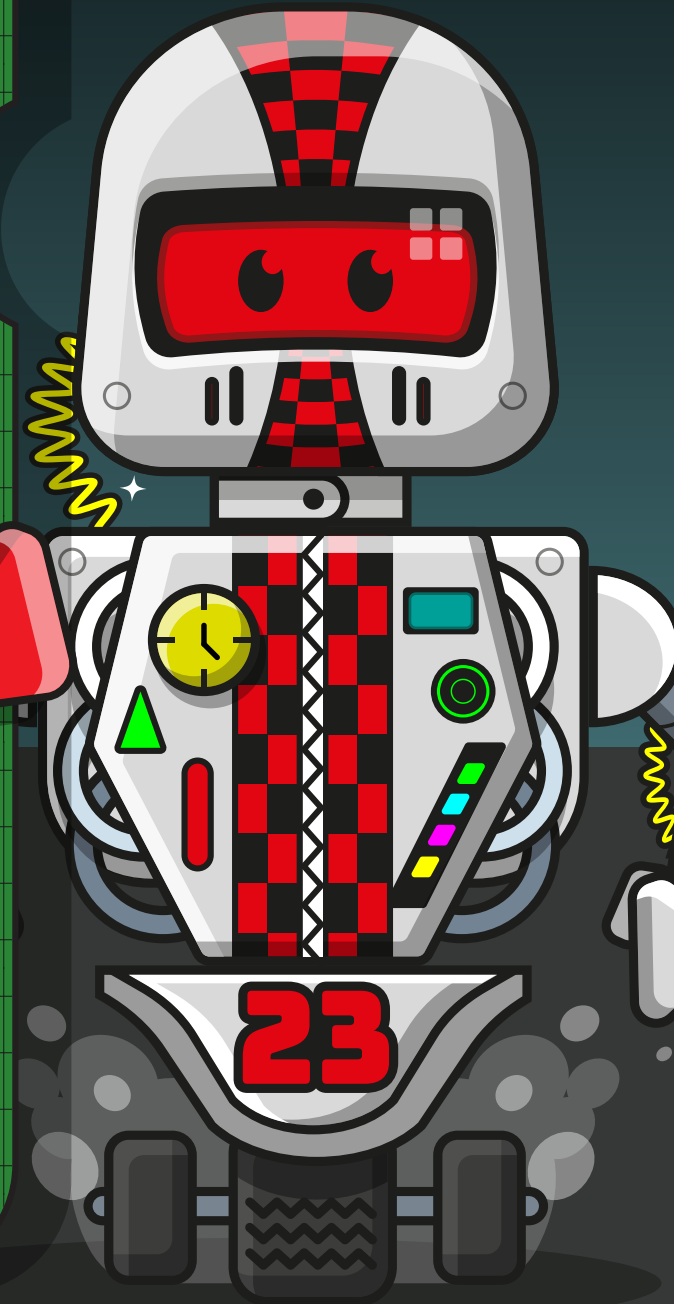
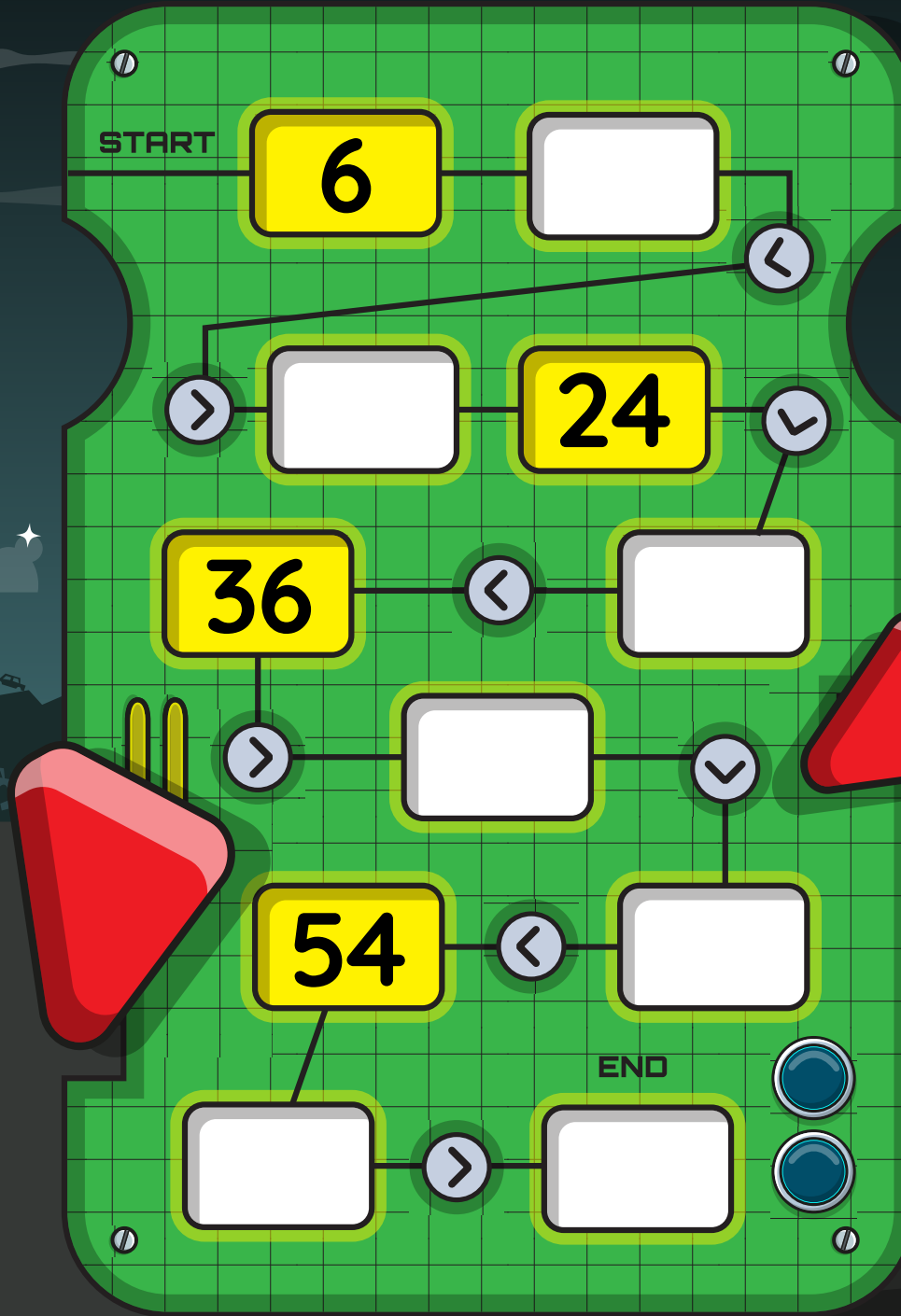
Help fix RaceBot

COUNTING UP IN

6s

CIRCUIT ROUTE

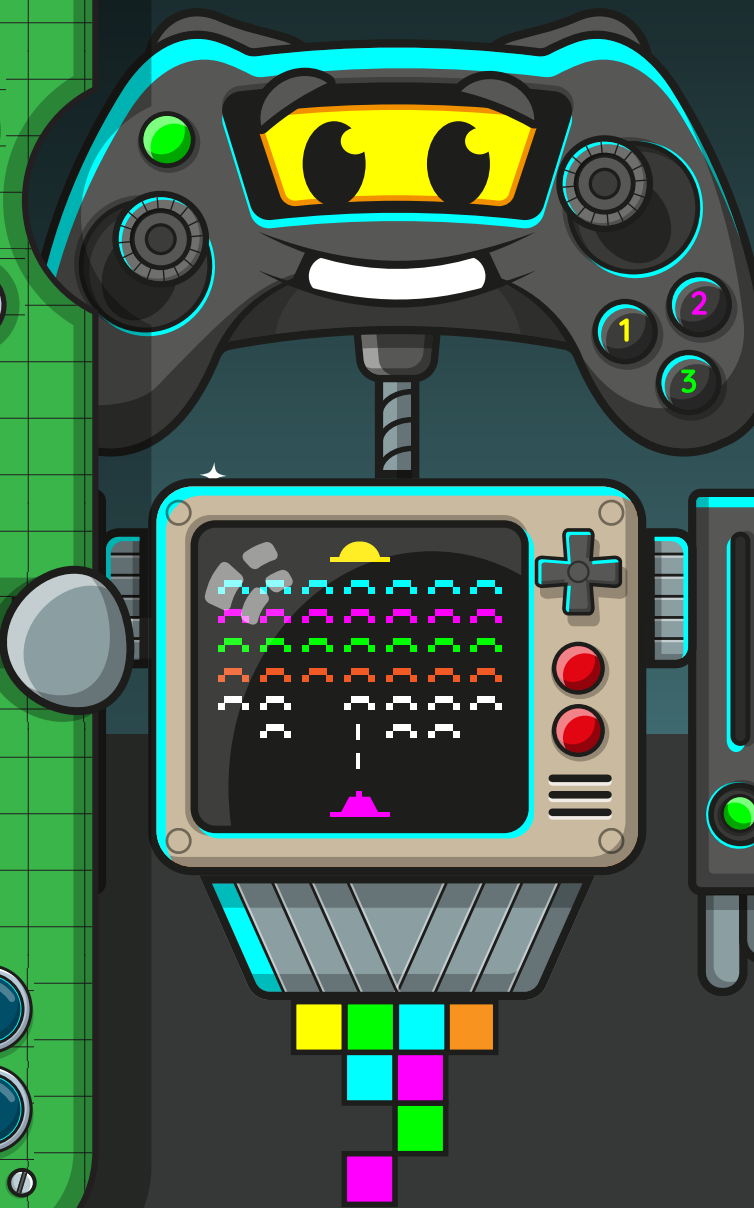
RaceBot lost some numbers in their circuit. Count up in 6s to reconnect the power:



Help fix GamerBot

COUNTING
BACKWARDS
IN
2s

GamerBot's
number path needs
completing! Fill in
the missing numbers
by counting back in
steps of 2:



EXTEND & CHALLENGE

EXTENSION - DESIGN YOUR OWN RUSTY CIRCUIT:

- Choose a number to count in (2, 5, 10, or even 6!)
- Draw a circuit of at least 10 numbers but leave some blank
- Swap with a partner and try to solve each other's circuits!

CHALLENGE QUESTIONS (OPTIONAL):

- How many times do you have to count in 2s to reach 26?
- What is the 5th number in the 6s pattern?
- Can you find a number that's in both the 2s and 6s patterns?

