

Diagram 6a: Troubleshooting (Part 1: Repeated Digits)

**Real-World Scenario:** You're solving a puzzle and suddenly the numbers don't work out. Time to become a detective! Let's look at the most common type of error: repeated digits.

! ERROR TYPE 1: Repeated Digit in Same Run

✗ WITH ERROR

	13	12	
10	3	3	
	9	8	
	1	1	

✓ CORRECTED

	13	12	
10	3	7	
	9	4	
	1	1	

🔍 THE PROBLEM:

ACROSS 10 has TWO 3s!

- $3 + 3 = 6$  (should be 10!) ✗
- Same digit used twice!

This violates Kakuro's #1 rule:

"No digit can repeat within the same run"

*This is the most common mistake—always double-check for duplicates!*

✅ THE FIX:

Changed second cell from 3 to 7

Verification:

- ACROSS 10:  $3 + 7 = 10$  ✓
- All digits different ✓

Down runs also work:

- DOWN 13:  $3 + 9 + 1 = 13$  ✓
- DOWN 12:  $7 + 4 + 1 = 12$  ✓

Perfect! All runs satisfied ✓