



Branches & Merging

Chapter: Git & GitHub • Level ★★ • Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Create and switch branches ✓ Merge branches ✓ Resolve conflicts ✓ Why branch

Section A • Concept Check • BEGINNER $4 \times 1 = 4$

- 1 Create + switch in one:
 - ☐ A. git checkout -b feat ☐ B. git branch only
 - ☐ C. git new feat ☐ D. git go feat
- 2 The default main line is usually:
 - ☐ A. main ☐ B. side ☐ C. root ☐ D. base
- 3 Combine a branch into main with:
 - ☐ A. git merge ☐ B. git join ☐ C. git mix
 - ☐ D. git combine
- 4 Same lines changed in both branches cause a:
 - ☐ A. conflict ☐ B. crash ☐ C. fork ☐ D. freeze

Section B • Problem Solving • INTERMEDIATE $2 + 3 \times 3 = 11$

- 5 List branches with git _____
- 6 Modern switch command: git _____ feat.
- 7 Create feature branch, then merge it back – commands?

- 8 What causes a merge conflict?

- 9 How do you resolve one?

Section C • Challenge • CHALLENGE 5

- 10 Why branch instead of committing to main?

🧠 Reflection — the most useful thing I learned: _____

 A ___/4 B ___/11 C ___/5 **Total ___/20**

Teacher's Signature _____

Parent's Signature _____

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 branch 6 switch 7 = git checkout -b feat; ...work...; git checkout main; git merge feat 8 = Both branches edited the same lines differently 9 = Edit the marked file, keep the right code, add + commit | 10 = Isolates experiments; main stays stable/deployable