



Basic Router Configuration

Chapter: CCNA Networking • Level ★★★ • Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Configure interfaces
- ✓ IP addressing on interfaces
- ✓ Verify with show commands
- ✓ Default gateway on hosts



Section A • Concept Check

• BEGINNER

4 × 1 = 4

- Enter interface config with:
☐ A. interface g0/0/0 ☐ B. port g0
☐ C. open g0 ☐ D. int-mode
- Bring an interface up with:
☐ A. no shutdown ☐ B. power on ☐ C. up
☐ D. start
- Assign an IP with:
☐ A. ip address A.B.C.D mask ☐ B. set ip
☐ C. addr add ☐ D. ip make
- Verify interfaces briefly with:
☐ A. show ip interface brief ☐ B. list ports
☐ C. ifconfig always ☐ D. view net



Section B • Problem Solving

• INTERMEDIATE

2 + 3×3 = 11

- Interfaces are _____ down by default on routers.
- description LINK-TO-LAN adds a _____
- Commands: give g0/0 the address 192.168.1.1/24 and enable it.

- Interface shows down/down – first checks?

- up/down status means?



Section C • Challenge

• CHALLENGE

5

- Why give each router interface an IP in a different network?

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 administratively/shut 6 label/description 7 = interface g0/0 - ip address 192.168.1.1 255.255.255.0 - no shutdown 8 = Cable/physical + far-end device (L1), then

interface enabled 9 = Physical OK, protocol/L2 problem (encapsulation/keepalive) | 10 = Each interface belongs to (and gateways) a distinct subnet