Inverse Operations to Solve Equations

Name: _____ Date: _____

Instructions: Use inverse operations to solve for the variable. Show your working out.

Remember: Addition ↔ Subtraction | Multiplication ↔ Division

Section A: Addition and Subtraction

1. x + 7 = 15

Working:

_____

x = _____

2. m - 9 = 12

Working:

_____

m = _____

3. 23 = n + 8

Working:

_____

n = _____

4. y - 14 = 6

Working:

_____

y = _____

5. p + 25 = 40

Working:

_____

p = _____

6. 18 = q - 5

Working:

_____

q = _____

Section B: Multiplication and Division

7. 3a = 21

Working:

_____

a = _____

8. b ÷ 4 = 7

Working:

_____

b = _____

9. 6c = 48

Working:

_____

10. d ÷ 5 = 9

Working:

_____

c = _____

d = _____

11. 8e = 64

Working:

_____

e = _____

12. 60 = 10f

Working:

_____

f = _____

🌟 Challenge Problems

13. g + 17 = 50

g = _____

14. 7h = 91

h = _____

15. k ÷ 8 = 12

k = _____