

Unknown Symbols in Equations (H)

Name: _____

Date: _____

Determine the value of each symbol.

1. $\bullet = 16 + 17$

2. $23 = 9 + \natural$

3. $24 = \oplus + 11$

4. $\emptyset = 3 + 10$

5. $28 = \otimes + 14$

6. $11 + \uplus = 27$

7. $\odot = 20 + 17$

8. $\triangle + 1 = 12$

9. $\dagger + 11 = 15$

10. $9 = \heartsuit + 2$

11. $7 = \spadesuit + 4$

12. $26 = 7 + \blacksquare$

13. $20 + 7 = \blacktriangledown$

14. $7 + \S = 26$

15. $30 = \sphericalangle + 19$

16. $\clubsuit = 20 + 4$

17. $2 + 16 = \blacklozenge$

18. $\sharp + 14 = 24$

19. $20 = \diamond + 2$

20. $17 + \star = 36$

Unknown Symbols in Equations (H) Answers

Name: _____

Date: _____

Determine the value of each symbol.

1. $\bullet = 16 + 17$

$\bullet = 33$

2. $23 = 9 + \natural$

$\natural = 14$

3. $24 = \oplus + 11$

$\oplus = 13$

4. $\emptyset = 3 + 10$

$\emptyset = 13$

5. $28 = \otimes + 14$

$\otimes = 14$

6. $11 + \uplus = 27$

$\uplus = 16$

7. $\odot = 20 + 17$

$\odot = 37$

8. $\triangle + 1 = 12$

$\triangle = 11$

9. $\dagger + 11 = 15$

$\dagger = 4$

10. $9 = \heartsuit + 2$

$\heartsuit = 7$

11. $7 = \spadesuit + 4$

$\spadesuit = 3$

12. $26 = 7 + \blacksquare$

$\blacksquare = 19$

13. $20 + 7 = \blacktriangledown$

$\blacktriangledown = 27$

14. $7 + \xi = 26$

$\xi = 19$

15. $30 = \sphericalangle + 19$

$\sphericalangle = 11$

16. $\clubsuit = 20 + 4$

$\clubsuit = 24$

17. $2 + 16 = \blacklozenge$

$\blacklozenge = 18$

18. $\sharp + 14 = 24$

$\sharp = 10$

19. $20 = \blacklozenge + 2$

$\blacklozenge = 18$

20. $17 + \star = 36$

$\star = 19$