

Unknown Symbols in Equations (I)

Name: _____

Date: _____

Determine the value of each symbol.

1. $10 + 6 = \heartsuit$

2. $17 = 3 + \wp$

3. $\clubsuit + 10 = 27$

4. $\otimes + 4 = 23$

5. $33 = 18 + \spadesuit$

6. $\blacktriangledown = 1 + 12$

7. $9 + \star = 20$

8. $19 = 5 + \oplus$

9. $20 = 3 + \triangle$

10. $\emptyset = 7 + 8$

11. $11 = 8 + \dagger$

12. $15 = 2 + \ddagger$

13. $22 = 14 + \bullet$

14. $15 = \odot + 4$

15. $19 = 18 + \ddagger$

16. $\sphericalangle + 19 = 30$

17. $\S + 3 = 21$

18. $21 = \blacksquare + 12$

19. $\blacklozenge + 1 = 16$

20. $19 = 17 + \blacklozenge$

Unknown Symbols in Equations (I) Answers

Name: _____

Date: _____

Determine the value of each symbol.

1. $10 + 6 = \heartsuit$

$\heartsuit = 16$

2. $17 = 3 + \uplus$

$\uplus = 14$

3. $\clubsuit + 10 = 27$

$\clubsuit = 17$

4. $\otimes + 4 = 23$

$\otimes = 19$

5. $33 = 18 + \spadesuit$

$\spadesuit = 15$

6. $\blacktriangledown = 1 + 12$

$\blacktriangledown = 13$

7. $9 + \star = 20$

$\star = 11$

8. $19 = 5 + \oplus$

$\oplus = 14$

9. $20 = 3 + \triangle$

$\triangle = 17$

10. $\emptyset = 7 + 8$

$\emptyset = 15$

11. $11 = 8 + \natural$

$\natural = 3$

12. $15 = 2 + \dagger$

$\dagger = 13$

13. $22 = 14 + \bullet$

$\bullet = 8$

14. $15 = \odot + 4$

$\odot = 11$

15. $19 = 18 + \sharp$

$\sharp = 1$

16. $\sphericalangle + 19 = 30$

$\sphericalangle = 11$

17. $\S + 3 = 21$

$\S = 18$

18. $21 = \blacksquare + 12$

$\blacksquare = 9$

19. $\blacklozenge + 1 = 16$

$\blacklozenge = 15$

20. $19 = 17 + \diamond$

$\diamond = 2$