

Unknown Symbols in Equations (J)

Name: _____

Date: _____

Determine the value of each symbol.

1. $15 = \star - 16$

2. $\odot - 17 = 19$

3. $8 = 27 - \blacksquare$

4. $\dagger - 12 = 17$

5. $27 - 11 = \blacklozenge$

6. $\bullet - 6 = 12$

7. $\emptyset - 6 = 7$

8. $\sphericalangle - 13 = 17$

9. $40 - 20 = \heartsuit$

10. $20 = 35 - \S$

11. $11 = \triangle - 13$

12. $22 - \clubsuit = 8$

13. $18 = 35 - \cup$

14. $\oplus = 34 - 14$

15. $19 = \otimes - 3$

16. $27 - \diamond = 19$

17. $19 - \spadesuit = 14$

18. $7 = \blacktriangledown - 18$

19. $1 = \# - 18$

20. $16 = \natural - 18$

Unknown Symbols in Equations (J) Answers

Name: _____

Date: _____

Determine the value of each symbol.

1. $15 = \star - 16$

$\star = 31$

2. $\odot - 17 = 19$

$\odot = 36$

3. $8 = 27 - \blacksquare$

$\blacksquare = 19$

4. $\dagger - 12 = 17$

$\dagger = 29$

5. $27 - 11 = \blacklozenge$

$\blacklozenge = 16$

6. $\bullet - 6 = 12$

$\bullet = 18$

7. $\emptyset - 6 = 7$

$\emptyset = 13$

8. $\sphericalangle - 13 = 17$

$\sphericalangle = 30$

9. $40 - 20 = \heartsuit$

$\heartsuit = 20$

10. $20 = 35 - \S$

$\S = 15$

11. $11 = \triangle - 13$

$\triangle = 24$

12. $22 - \clubsuit = 8$

$\clubsuit = 14$

13. $18 = 35 - \cup$

$\cup = 17$

14. $\oplus = 34 - 14$

$\oplus = 20$

15. $19 = \otimes - 3$

$\otimes = 22$

16. $27 - \blacklozenge = 19$

$\blacklozenge = 8$

17. $19 - \spadesuit = 14$

$\spadesuit = 5$

18. $7 = \blacktriangledown - 18$

$\blacktriangledown = 25$

19. $1 = \# - 18$

$\# = 19$

20. $16 = \natural - 18$

$\natural = 34$