

Unknown Symbols in Equations (H)

Name: _____

Date: _____

Determine the value of each symbol.

1. $11 = \heartsuit - 16$

2. $4 = \emptyset + 1$

3. $12 = 14 - \clubsuit$

4. $\oplus = 6 \div 2$

5. $4 \times \blacksquare = 28$

6. $32 \div \spadesuit = 4$

7. $170 = \diamondsuit \times 17$

8. $32 - \triangle = 12$

9. $\# \div 19 = 4$

10. $\blacktriangledown = 14 - 6$

11. $27 - 13 = \odot$

12. $3 = \dagger \div 13$

13. $8 + \wp = 9$

14. $26 - 14 = \otimes$

15. $11 + 15 = \bullet$

16. $15 - \spadesuit = 2$

17. $\S + 15 = 27$

18. $\blacklozenge = 7 \times 19$

19. $18 + 4 = \star$

20. $11 = \sphericalangle - 2$

Unknown Symbols in Equations (H) Answers

Name: _____

Date: _____

Determine the value of each symbol.

1. $11 = \heartsuit - 16$

$\heartsuit = 27$

2. $4 = \emptyset + 1$

$\emptyset = 3$

3. $12 = 14 - \clubsuit$

$\clubsuit = 2$

4. $\oplus = 6 \div 2$

$\oplus = 3$

5. $4 \times \blacksquare = 28$

$\blacksquare = 7$

6. $32 \div \spadesuit = 4$

$\spadesuit = 8$

7. $170 = \diamondsuit \times 17$

$\diamondsuit = 10$

8. $32 - \triangle = 12$

$\triangle = 20$

9. $\# \div 19 = 4$

$\# = 76$

10. $\blacktriangledown = 14 - 6$

$\blacktriangledown = 8$

11. $27 - 13 = \odot$

$\odot = 14$

12. $3 = \dagger \div 13$

$\dagger = 39$

13. $8 + \cup = 9$

$\cup = 1$

14. $26 - 14 = \otimes$

$\otimes = 12$

15. $11 + 15 = \bullet$

$\bullet = 26$

16. $15 - \spadesuit = 2$

$\spadesuit = 13$

17. $\S + 15 = 27$

$\S = 12$

18. $\blacklozenge = 7 \times 19$

$\blacklozenge = 133$

19. $18 + 4 = \star$

$\star = 22$

20. $11 = \sphericalangle - 2$

$\sphericalangle = 13$