

Unknown Symbols in Equations (G)

Name: _____

Date: _____

Determine the value of each symbol.

1. $20 \times \otimes = 180$

2. $20 + 15 = \blacktriangledown$

3. $11 + 19 = \blacklozenge$

4. $285 = 19 \times \triangle$

5. $11 = 6 + \sphericalangle$

6. $10 \times 17 = \emptyset$

7. $\clubsuit \div 3 = 2$

8. $\# - 4 = 13$

9. $\diamond = 1 + 19$

10. $\heartsuit = 300 \div 20$

11. $\cup = 19 \times 11$

12. $14 + \oplus = 16$

13. $3 = 17 - \odot$

14. $\bullet - 5 = 2$

15. $2 \times \dagger = 38$

16. $\blacksquare + 15 = 30$

17. $31 - 13 = \spadesuit$

18. $238 = \S \times 17$

19. $13 = 21 - \star$

20. $\dagger \div 5 = 11$

Unknown Symbols in Equations (G) Answers

Name: _____

Date: _____

Determine the value of each symbol.

1. $20 \times \otimes = 180$

$\otimes = 9$

2. $20 + 15 = \blacktriangledown$

$\blacktriangledown = 35$

3. $11 + 19 = \blacklozenge$

$\blacklozenge = 30$

4. $285 = 19 \times \triangle$

$\triangle = 15$

5. $11 = 6 + \sphericalangle$

$\sphericalangle = 5$

6. $10 \times 17 = \emptyset$

$\emptyset = 170$

7. $\clubsuit \div 3 = 2$

$\clubsuit = 6$

8. $\# - 4 = 13$

$\# = 17$

9. $\diamond = 1 + 19$

$\diamond = 20$

10. $\heartsuit = 300 \div 20$

$\heartsuit = 15$

11. $\cup = 19 \times 11$

$\cup = 209$

12. $14 + \oplus = 16$

$\oplus = 2$

13. $3 = 17 - \odot$

$\odot = 14$

14. $\bullet - 5 = 2$

$\bullet = 7$

15. $2 \times \dagger = 38$

$\dagger = 19$

16. $\blacksquare + 15 = 30$

$\blacksquare = 15$

17. $31 - 13 = \spadesuit$

$\spadesuit = 18$

18. $238 = \xi \times 17$

$\xi = 14$

19. $13 = 21 - \star$

$\star = 8$

20. $\natural \div 5 = 11$

$\natural = 55$