Unknown Symbols in Equations (E)

Name: _____ Date: _____

Determine the value of each symbol.

1. $3 \times \sharp = 21$
2. $5 \times 2 = \oplus$
3. $5 = \blacksquare \times 1$
4. $10 = 5 \times \odot$
5. $\bigstar \times 1 = 7$
6. $1 \times \blacklozenge = 5$
7. $6 \times 2 = \spadesuit$
8. $\diamondsuit \times 1 = 6$
9. $7 \times 7 = \measuredangle$
10. $35 = 7 \times \Cup$
11. $4 \times 1 = \heartsuit$
12. $56 = 8 \times \natural$
13. $\otimes = 8 \times 2$
14. $\clubsuit = 7 \times 1$
15. $9 = \varnothing \times 1$
16. $3 \times \bullet = 24$
17. $3 = 3 \times \dagger$
18. $7 \times \S = 21$
19. $54 = 9 \times \triangle$
20. $\blacktriangledown = 3 \times 3$

Unknown Symbols in Equations (E) Answers

Name: _____ Date: _____

Determine the value of each symbol.

1. $3 \times \sharp = 21$
   $\sharp = 7$

2. $5 \times 2 = \oplus$
   $\oplus = 10$

3. $5 = \blacksquare \times 1$
   $\blacksquare = 5$

4. $10 = 5 \times \odot$
   $\odot = 2$

5. $\bigstar \times 1 = 7$
   $\bigstar = 7$

6. $1 \times \blacklozenge = 5$
   $\blacklozenge = 5$

7. $6 \times 2 = \spadesuit$
   $\spadesuit = 12$

8. $\diamondsuit \times 1 = 6$
   $\diamondsuit = 6$

9. $7 \times 7 = \measuredangle$
   $\measuredangle = 49$

10. $35 = 7 \times \Cup$
    $\Cup = 5$

11. $4 \times 1 = \heartsuit$
    $\heartsuit = 4$

12. $56 = 8 \times \natural$
    $\natural = 7$

13. $\otimes = 8 \times 2$
    $\otimes = 16$

14. $\clubsuit = 7 \times 1$
    $\clubsuit = 7$

15. $9 = \varnothing \times 1$
    $\varnothing = 9$

16. $3 \times \bullet = 24$
    $\bullet = 8$

17. $3 = 3 \times \dagger$
    $\dagger = 1$

18. $7 \times \S = 21$
    $\S = 3$

19. $54 = 9 \times \triangle$
    $\triangle = 6$

20. $\blacktriangledown = 3 \times 3$
    $\blacktriangledown = 9$