

# Unknown Symbols in Equations (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each symbol.

1.  $21 = 5 + \heartsuit$

2.  $11 + 8 = \triangle$

3.  $\diamond = 19 + 11$

4.  $\blacksquare + 2 = 3$

5.  $7 + \blacktriangledown = 18$

6.  $7 + \S = 18$

7.  $19 = \dagger + 10$

8.  $\bullet = 6 + 1$

9.  $\cup + 13 = 20$

10.  $\oplus + 10 = 13$

11.  $9 + 14 = \sphericalangle$

12.  $\otimes = 17 + 6$

13.  $\spadesuit + 6 = 11$

14.  $24 = 10 + \emptyset$

15.  $11 + \odot = 20$

16.  $17 + \blacklozenge = 32$

17.  $\star = 15 + 3$

18.  $18 = \dagger + 10$

19.  $19 + \# = 23$

20.  $\clubsuit + 11 = 13$

# Unknown Symbols in Equations (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each symbol.

1.  $21 = 5 + \heartsuit$

$\heartsuit = 16$

2.  $11 + 8 = \triangle$

$\triangle = 19$

3.  $\diamond = 19 + 11$

$\diamond = 30$

4.  $\blacksquare + 2 = 3$

$\blacksquare = 1$

5.  $7 + \blacktriangledown = 18$

$\blacktriangledown = 11$

6.  $7 + \S = 18$

$\S = 11$

7.  $19 = \dagger + 10$

$\dagger = 9$

8.  $\bullet = 6 + 1$

$\bullet = 7$

9.  $\mathbb{U} + 13 = 20$

$\mathbb{U} = 7$

10.  $\oplus + 10 = 13$

$\oplus = 3$

11.  $9 + 14 = \sphericalangle$

$\sphericalangle = 23$

12.  $\otimes = 17 + 6$

$\otimes = 23$

13.  $\spadesuit + 6 = 11$

$\spadesuit = 5$

14.  $24 = 10 + \emptyset$

$\emptyset = 14$

15.  $11 + \odot = 20$

$\odot = 9$

16.  $17 + \blacklozenge = 32$

$\blacklozenge = 15$

17.  $\star = 15 + 3$

$\star = 18$

18.  $18 = \natural + 10$

$\natural = 8$

19.  $19 + \sharp = 23$

$\sharp = 4$

20.  $\clubsuit + 11 = 13$

$\clubsuit = 2$