

# Unknown Symbols in Equations (A)

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

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

Determine the value of each symbol.

1.  $\star = 7 + 8$

2.  $9 + 4 = \blacktriangledown$

3.  $3 + \clubsuit = 12$

4.  $6 + 3 = \emptyset$

5.  $5 + 7 = \S$

6.  $\dagger = 5 + 2$

7.  $3 + 1 = \oplus$

8.  $\ddagger + 5 = 6$

9.  $\spadesuit + 1 = 4$

10.  $\otimes + 9 = 18$

11.  $13 = 5 + \sphericalangle$

12.  $\triangle + 4 = 10$

13.  $\cup + 9 = 16$

14.  $9 + 4 = \odot$

15.  $7 + 2 = \blacksquare$

16.  $10 = \blacklozenge + 9$

17.  $\# + 3 = 10$

18.  $\heartsuit = 6 + 9$

19.  $12 = 8 + \diamond$

20.  $\bullet = 1 + 2$

# Unknown Symbols in Equations (A) Answers

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

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

Determine the value of each symbol.

1.  $\star = 7 + 8$

$\star = 15$

2.  $9 + 4 = \blacktriangledown$

$\blacktriangledown = 13$

3.  $3 + \clubsuit = 12$

$\clubsuit = 9$

4.  $6 + 3 = \emptyset$

$\emptyset = 9$

5.  $5 + 7 = \xi$

$\xi = 12$

6.  $\dagger = 5 + 2$

$\dagger = 7$

7.  $3 + 1 = \oplus$

$\oplus = 4$

8.  $\natural + 5 = 6$

$\natural = 1$

9.  $\spadesuit + 1 = 4$

$\spadesuit = 3$

10.  $\otimes + 9 = 18$

$\otimes = 9$

11.  $13 = 5 + \sphericalangle$

$\sphericalangle = 8$

12.  $\triangle + 4 = 10$

$\triangle = 6$

13.  $\cup + 9 = 16$

$\cup = 7$

14.  $9 + 4 = \odot$

$\odot = 13$

15.  $7 + 2 = \blacksquare$

$\blacksquare = 9$

16.  $10 = \blacklozenge + 9$

$\blacklozenge = 1$

17.  $\sharp + 3 = 10$

$\sharp = 7$

18.  $\heartsuit = 6 + 9$

$\heartsuit = 15$

19.  $12 = 8 + \diamond$

$\diamond = 4$

20.  $\bullet = 1 + 2$

$\bullet = 3$